

# THE HEMIPTERIST

A JOURNAL ON THE NATURAL HISTORY  
OF THE HEMIPTERA OF THE BRITISH ISLES



Volume 3 (2016)

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Cover photograph: *Alloeotomus gothicus* (Fallén) (Hemiptera: Miridae).

## CONTENTS

An addendum to Butler's Biology of the British Hemiptera-Heteroptera — R. P. RYAN.....	1-13
Book review: <i>Verspreidingsatlas van de Belgische Miridae (Insecta: Heteroptera)</i> [A Distribution Atlas of the Belgian Miridae (Insecta: Heteroptera)] — R. P. RYAN.....	13-14
An annotated checklist of the ambiguous species names of Hemiptera-Heteroptera from Butler (1923) to Massee (1955) — R. P. RYAN.....	15-17
Completing the troika of mistletoe Hemiptera-Heteroptera in Watsonian Oxfordshire (VC23) — R. P. RYAN .....	17-18
The division of Ryan's list of Hemiptera-Heteroptera for Ireland into vice-county lists for H1 to H40 — R. P. RYAN .....	19-38
The division of Ryan's list of Hemiptera-Heteroptera for Hampshire into vice-county lists for VC10, VC11 and VC12 — R. P. RYAN.....	39-53
New vice-county records of Hemiptera-Heteroptera for Watsonian North Hampshire (VC12) — R. P. RYAN .....	53-55
Some records of Hemiptera-Heteroptera from Hertfordshire (VC20) — J. GRAY .....	56
Species accounts for the Hemiptera-Heteroptera reported as new to the British Isles since Southwood & Leston (1959): 1970 to 1979 — R. P. RYAN .....	57-65
New plant associations for <i>Megacoelum infusum</i> (Herrich-Schaeffer) (Miridae) with comments on its identification — R. P. RYAN.....	66-67
Mud sweeping update — R. P. RYAN .....	68-70
Some interesting captures of Hemiptera-Heteroptera from a Turkey Oak, <i>Quercus cerris</i> L. (Fagaceae), in University Parks, Oxford — R. P. RYAN .....	70-72
<i>Nabis pseudoferus</i> Remane (Hemiptera: Nabidae) deleted from the Oxfordshire list — R. P. RYAN .....	72
<i>Saldula opacula</i> (Zetterstedt) (Hemiptera: Saldidae) new to Lincolnshire — W. ROWLEY & G. A. WARNES .....	73
The division of Ryan's list of Hemiptera-Heteroptera for Lincolnshire into vice-county lists for VC53 and VC54 — R. P. RYAN.....	74-91
New county records of Hemiptera-Heteroptera from a data set provided by Steve Lane — R. P. RYAN .....	92-100
The 2015 Hemiptera-Heteroptera county record roundup — R. P. RYAN.....	100-102
New county records of Hemiptera-Heteroptera from a data set provided by Richard Dickson — R. P. RYAN .....	103-109

CONTINUED ON NEXT PAGE

CONTINUED FROM PREVIOUS PAGE

An up-to-date list of county records now available online — R. P. RYAN .....	110-111
<i>Anthocoris minki</i> Dohrn (Hemiptera: Anthocoridae) new to Oxfordshire and Berkshire — R. P. RYAN .....	111-112
<i>Closterotomus trivialis</i> (A. Costa) (Hemiptera: Miridae) massing on Honey Locust in University Parks, Oxford — R. P. RYAN .....	113-114
Species accounts for the Hemiptera-Heteroptera reported as new to the British Isles since Southwood & Leston (1959): 1980 to 1992 — R. P. RYAN .....	115-123
The hunt for <i>Agnocoris reclairi</i> (Wagner) (Hemiptera: Miridae) in Buckinghamshire — R. P. RYAN .....	124-125
Some host plant associations of Hemiptera-Heteroptera in 2015 — R. P. RYAN .....	126-128
Additions to Ryan's county list of Hemiptera-Heteroptera for Shropshire — R. P. RYAN .....	129
Three further additions for VC20 to the Atlas of the Hemiptera-Heteroptera of the British Isles — J. GRAY .....	130

# AN ADDENDUM TO BUTLER'S BIOLOGY OF THE BRITISH HEMIPTERA-HETEROPTERA

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There have been many changes to the nomenclature of the British Hemiptera-Heteroptera in the nine decades since Butler (1923). These, together with the absence of a species index, make this text awkward to use by modern Hemipterists. To alleviate the problem, I present below a checklist of the modern names of the British Hemiptera-Heteroptera with the corresponding number and name used as headings for Butler's species accounts. The name correspondences were derived from Ryan (2014), Brooke (2006) and Kloet & Hincks (1964). Multiple correspondences due to ambiguous species names are not shown here, but are documented in Ryan (2015 & 2016).

## ARADIDAE

<i>Aneurys avenius</i> (Dufour)	161a. <i>Aneurys avenius</i> Duf.
<i>Aneurys laevis</i> (Fabricius)	161. <i>Aneurys laevis</i> Fabr.
<i>Aradus aterrimus</i> Fieber	160. <i>Aradus aterrimus</i> D. & S.
<i>Aradus betulae</i> (Linnaeus)	160a. <i>Aradus betulae</i> Lin.
<i>Aradus cinnamomeus</i> Panzer	- -
<i>Aradus corticalis</i> (Linnaeus)	158. <i>Aradus corticalis</i> L.
<i>Aradus depressus</i> (Fabricius)	159. <i>Aradus depressus</i> Fabr.

## ACANTHOSOMATIDAE

<i>Acanthosoma haemorrhoidale</i> (Linnaeus)	34. <i>Acanthosoma haemorrhoidale</i> L.
<i>Cyphostethus tristriatus</i> (Fabricius)	38. <i>Cyphostethus tristriatus</i> Fabr.
<i>Elasmotethus interstinctus</i> (Linnaeus)	35. <i>Acanthosoma interstinctum</i> L.
<i>Elasmucha ferrugata</i> (Fabricius)	37. <i>Elasmotethus ferrugatus</i> Fabr.
<i>Elasmucha grisea</i> (Linnaeus)	36. <i>Elasmotethus grisea</i> L.

## CYDNIDAE

<i>Adomerus biguttatus</i> (Linnaeus)	11. <i>Sehirus biguttatus</i> L.
<i>Byrsinus flavicornis</i> (Fabricius)	7. <i>Cydnus flavicornis</i> Fabr.
<i>Canthophorus impressus</i> (Horváth)	10. <i>Sehirus dubius</i> Scop.
<i>Geotomus punctulatus</i> (A. Costa)	8. <i>Geotomus punctulatus</i> Cost.
<i>Legnotus limbosus</i> (Geoffroy)	13. <i>Gnathoconus albomarginatus</i> Goeze
<i>Legnotus picipes</i> (Fallén)	14. <i>Gnathoconus picipes</i> Fall.
<i>Sehirus luctuosus</i> Mulsant & Rey	12. <i>Sehirus luctuosus</i> M. & R.
<i>Tritomegas bicolor</i> (Linnaeus)	9. <i>Sehirus bicolor</i> L.
<i>Tritomegas sexmaculatus</i> (Rambur)	- -

## THYREOCORIDAE

<i>Thyreocoris scarabaeoides</i> (Linnaeus)	6. <i>Thyreocoris scarabaeoides</i> L.
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## SCUTELLERIDAE

<i>Eurygaster austriaca</i> (Schrank)	4. <i>Eurygaster nigrocucullata</i> Goeze
<i>Eurygaster maura</i> (Linnaeus)	3. <i>Eurygaster maura</i> L.
<i>Eurygaster testudinaria</i> (Geoffroy)	- -
<i>Odontoscelis fuliginosa</i> (Linnaeus)	1. <i>Odontoscelis fuliginosa</i> L.
<i>Odontoscelis lineola</i> Rambur	2. <i>Odontoscelis dorsalis</i> Fabr.

## PENTATOMIDAE

<i>Aelia acuminata</i> (Linnaeus)	16. <i>Aelia acuminata</i> L.
<i>Carpocoris mediterraneus</i> Tamanini	- -
<i>Carpocoris purpureipennis</i> (De Geer)	21. <i>Carpocoris fuscispina</i> Boh.
<i>Chlorochroa juniperina</i> (Linnaeus)	24. <i>Chlorochroa juniperina</i> L.
<i>Dolycoris baccarum</i> (Linnaeus)	22. <i>Dolycoris baccarum</i> L.

## PENTATOMIDAE (CONTINUED)

<i>Dyroderes umbraculatus</i> (Fabricius)	-	-
<i>Eurydema dominulus</i> (Scopoli)	27.	<i>Eurydema dominulus</i> Scop.
<i>Eurydema oleracea</i> (Linnaeus)	28.	<i>Eurydema oleraceum</i> L.
<i>Eurydema ornata</i> (Linnaeus)	-	-
<i>Eysarcoris aeneus</i> (Scopoli)	19.	<i>Eusarcoris aeneus</i> Scop.
<i>Eysarcoris venustissimus</i> (Schrank)	18.	<i>Eusarcoris melanocephalus</i> Fabr.
<i>Jalla dumosa</i> (Linnaeus)	32.	<i>Jalla dumosa</i> L.
<i>Neottiglossa pusilla</i> (Gmelin)	17.	<i>Neottiglossa pusilla</i> Gmel.
<i>Nezara viridula</i> (Linnaeus)	-	-
<i>Palomena prasina</i> (Linnaeus)	23.	<i>Palomena prasina</i> L.
<i>Pentatoma rufipes</i> (Linnaeus)	26.	<i>Pentatoma rufipes</i> L.
<i>Peribalus strictus</i> (Fabricius)	20.	<i>Peribalus vernalis</i> Wolff
<i>Picromerus bidens</i> (Linnaeus)	29.	<i>Picromerus bidens</i> L.
<i>Piezodorus lituratus</i> (Fabricius)	25.	<i>Piezodorus lituratus</i> Fabr.
<i>Podops inunctus</i> (Fabricius)	5.	<i>Podops inuncta</i> Fabr.
<i>Rhacognathus punctatus</i> (Linnaeus)	30.	<i>Rhacognathus punctatus</i> L.
<i>Rhaphigaster nebulosa</i> (Poda)	-	-
<i>Sciocoris cursitans</i> (Fabricius)	15.	<i>Sciocoris cursitans</i> Fabr.
<i>Troilus luridus</i> (Fabricius)	31.	<i>Troilus luridus</i> Fabr.
<i>Zicrona caerulea</i> (Linnaeus)	33.	<i>Zicrona caerulea</i> L.

## COREIDAE

<i>Arenocoris fallenii</i> (Schilling)	44.	<i>Pseudophloeus fallenii</i> Schill.
<i>Arenocoris waltlii</i> (Herrich-Schaeffer)	45.	<i>Pseudophloeus waltlii</i> H. S.
<i>Bathysolen nubilus</i> (Fallén)	46.	<i>Bathysolen nubilus</i> Fall.
<i>Ceraleptus lividus</i> Stein	47.	<i>Ceraleptus lividus</i> Stein
<i>Coreus marginatus</i> (Linnaeus)	41.	<i>Syromastes marginatus</i> L.
<i>Coriomeris denticulatus</i> (Scopoli)	48.	<i>Coreus denticulatus</i> Scop.
<i>Enoplops scapha</i> (Fabricius)	40.	<i>Enoplops scapha</i> Fab.
<i>Gonocerus acuteangulatus</i> (Goeze)	43.	<i>Gonocerus acuteangulatus</i> Goeze
<i>Leptoglossus occidentalis</i> Heidemann	-	-
<i>Spathocera dalmanii</i> (Schilling)	39.	<i>Spathocera dalmani</i> Schill.
<i>Syromastus rhombeus</i> (Linnaeus)	42.	<i>Verlusia quadrata</i> Fab.

## ALYDIDAE

<i>Alydus calcaratus</i> (Linnaeus)	49.	<i>Alydus calcaratus</i> L.
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## RHOPALIDAE

<i>Brachycarenum tigrinus</i> (Schilling)	-	-
<i>Chorosoma schillingii</i> (Schilling)	60.	<i>Chorosoma schillingii</i> Schml.
<i>Corizus hyoscyami</i> (Linnaeus)	53.	<i>Therapha hyoscyami</i> L.
<i>Liorhyssus hyalinus</i> (Fabricius)	58.	<i>Corizus hyalinus</i> Fabr.
<i>Myrmus miriformis</i> (Fallén)	59.	<i>Myrmus miriformis</i> Fall.
<i>Rhopalus maculatus</i> (Fieber)	55.	<i>Corizus maculatus</i> Fieb.
<i>Rhopalus parumpunctatus</i> Schilling	57.	<i>Corizus parumpunctatus</i> Schill.
<i>Rhopalus rufus</i> Schilling	57a.	<i>Corizus rufus</i> Schill.
<i>Rhopalus subrufus</i> (Gmelin)	56.	<i>Corizus subrufus</i> Gmel.
<i>Stictopleurus abutilon</i> (Rossi)	54.	<i>Corizus crassicornis</i> var. <i>abutilon</i> Rossi
<i>Stictopleurus punctatonevrosus</i> (Goeze)	54.	<i>Corizus crassicornis</i> L.

## PYRRHOCORIDAE

<i>Pyrrhocoris apterus</i> (Linnaeus)	135.	<i>Pyrrhocoris apterus</i> L.
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## STENOCEPHALIDAE

<i>Dicranocephalus agilis</i> (Scopoli)	50.	<i>Stenocephalus agilis</i> Scop.
<i>Dicranocephalus albipes</i> (Fabricius)	52.	<i>Stenocephalus albipes</i> Fab.
<i>Dicranocephalus medius</i> (Mulsant & Rey)	51.	<i>Stenocephalus medius</i> M. & R.

## LYGAEIDAE

<i>Acompus pallipes</i> (Herrich-Schaeffer)	-	-
<i>Acompus rufipes</i> (Wolff)	96.	<i>Acompus rufipes</i> Wolff
<i>Aphanus rolandri</i> (Linnaeus)	108.	<i>Calyptonotus rolandri</i> L.
<i>Arocatus longiceps</i> Stål	-	-
<i>Beosus maritimus</i> (Scopoli)	113.	<i>Beosus maritimus</i> Scop.
<i>Chilacis typhae</i> (Perris)	81.	<i>Chilacis typhae</i> Perr.
<i>Cymus aurescens</i> Distant	73.	<i>Cymus obliquus</i> Horv.
<i>Cymus claviculus</i> (Fallén)	75.	<i>Cymus claviculus</i> Fall.
<i>Cymus glandicolor</i> Hahn	72.	<i>Cymus glandicolor</i> Hahn
<i>Cymus melanocephalus</i> Fieber	74.	<i>Cymus melanocephalus</i> Fieb.
<i>Drymus brunneus</i> (R.F. Sahlberg)	122.	<i>Drymus brunneus</i> Sahlb.
<i>Drymus latus</i> Douglas & Scott	119.	<i>Drymus latus</i> D. & S.
<i>Drymus pilicornis</i> (Mulsant & Rey)	120.	<i>Drymus pilicornis</i> M. & R.
<i>Drymus pilipes</i> Fieber	118.	<i>Drymus pilipes</i> Fieb.
<i>Drymus pumilio</i> Puton	-	-
<i>Drymus ryeei</i> Douglas & Scott	121.	<i>Drymus sylvaticus</i> Fab. var. <i>ryei</i> D. & S.
<i>Drymus sylvaticus</i> (Fabricius)	121.	<i>Drymus sylvaticus</i> Fab.
<i>Emblethis denticollis</i> Horváth	-	-
<i>Emblethis griseus</i> (Wolff)	114.	<i>Emblethis verbasci</i> Fabr.
<i>Eremocoris abietis</i> (Linnaeus)	-	-
<i>Eremocoris fenestratus</i> (Herrich-Schaeffer)	117.	<i>Eremocoris fenestratus</i> H. S.
<i>Eremocoris plebejus</i> (Fallén)	115.	<i>Eremocoris plebeius</i> Fall.
<i>Eremocoris podagricus</i> (Fabricius)	116.	<i>Eremocoris podagricus</i> Fabr.
<i>Gastrodes abietum</i> Bergroth	133.	<i>Gastrodes abietis</i> L.
<i>Gastrodes grossipes</i> (De Geer)	134.	<i>Gastrodes ferrugineus</i> L.
<i>Graptopeltus lynceus</i> (Fabricius)	109.	<i>Aphanus lynceus</i> Fabr.
<i>Henestaris halophilus</i> (Burmeister)	80.	<i>Henestaris halophilus</i> Burm.
<i>Henestaris laticeps</i> (Curtis)	79.	<i>Henestaris laticeps</i> Curt.
<i>Heterogaster artemisiae</i> Schilling	82.	<i>Heterogaster artemisiae</i> Schill.
<i>Heterogaster urticae</i> (Fabricius)	83.	<i>Heterogaster urticae</i> Fab.
<i>Ischnocoris angustulus</i> (Boheman)	91.	<i>Ischnocoris angustulus</i> Boh.
<i>Ischnodemus quadratus</i> Fieber	-	-
<i>Ischnodemus sabuleti</i> (Fallén)	78.	<i>Ischnodemus sabuleti</i> Fall.
<i>Kleidocerys ericae</i> (Horváth)	77.	<i>Ischnorhynchus geminatus</i> Fieb.
<i>Kleidocerys resedae</i> (Panzer)	76.	<i>Ischnorhynchus resedae</i> Pz.
<i>Lamproplax picea</i> (Flor)	123.	<i>Drymus piceus</i> Flor.
<i>Lasiosomus enervis</i> (Herrich-Schaeffer)	95.	<i>Lasiosomus enervis</i> H. S.
<i>Lygaeus equestris</i> (Linnaeus)	69.	<i>Lygaeus equestris</i> Lin.
<i>Lygaeus simulans</i> Deckert	-	-
<i>Macrodera microptera</i> (Curtis)	92.	<i>Macrodera micropterum</i> Curt.
<i>Macroplax preyssleri</i> (Fieber)	-	-
<i>Megalonotus antennatus</i> (Schilling)	86.	<i>Rhyparochromus antennatus</i> Schill.
<i>Megalonotus chiragra</i> (Fabricius)	89.	<i>Rhyparochromus chiragra</i> Fab.
<i>Megalonotus dilatatus</i> (Herrich-Schaeffer)	88.	<i>Rhyparochromus dilatatus</i> H. S.
<i>Megalonotus emarginatus</i> (Rey)	-	-
<i>Megalonotus praetextatus</i> (Herrich-Schaeffer)	87.	<i>Rhyparochromus praetextatus</i> H. S.
<i>Megalonotus sabulicola</i> (Thomson)	-	-
<i>Metopoplax ditomoides</i> (A. Costa)	-	-
<i>Metopoplax fuscinervis</i> Stål	-	-
<i>Notochilus limbatus</i> Fieber	124.	<i>Notochilus limbatus</i> Fieb.
<i>Nysius cymoides</i> (Spinola)	-	-
<i>Nysius ericae</i> (Schilling)	-	-
<i>Nysius graminicola</i> (Kolenati)	-	-
<i>Nysius helveticus</i> (Herrich-Schaeffer)	70.	<i>Nysius lineatus</i> Cost.
<i>Nysius huttoni</i> F.B. White	-	-
<i>Nysius senecionis</i> (Schilling)	-	-
<i>Nysius thymi</i> (Wolff)	71.	<i>Nysius thymi</i> Wolff
<i>Orsillus depressus</i> (Mulsant & Rey)	-	-
<i>Ortholomus punctipennis</i> (Herrich-Schaeffer)	-	-

## LYGAEIDAE (CONTINUED)

- |  |  |
|--|--|
| <i>Pachybrachius fracticollis</i> (Schilling)      | 84. <i>Pamera fracticollis</i> Schill.       |
| <i>Pachybrachius luridus</i> Hahn                  | 85. <i>Pamera lurida</i> Hahn                |
| <i>Peritrechus angusticollis</i> (R.F. Sahlberg)   | - -  |
| <i>Peritrechus convivus</i> (Stål)                 | 104. <i>Trapezonotus distinguendus</i> Flor  |
| <i>Peritrechus geniculatus</i> (Hahn)              | 100. <i>Peritrechus geniculatus</i> Hahn     |
| <i>Peritrechus gracilicornis</i> Puton             | 101. <i>Peritrechus gracilicornis</i> Put.   |
| <i>Peritrechus lundii</i> (Gmelin)                 | 103. <i>Peritrechus sylvestris</i> Fabr.     |
| <i>Peritrechus nubilus</i> (Fallén)                | 102. <i>Peritrechus nubilus</i> Fall.        |
| <i>Pionosomus varius</i> (Wolff)                   | 93. <i>Pionosomus varius</i> Wolff           |
| <i>Plinthisus brevipennis</i> (Latreille)          | 94. <i>Plinthisus brevipennis</i> Latr.      |
| <i>Pterotmetus staphyliniformis</i> (Schilling)    | - -  |
| <i>Raglius alboacuminatus</i> (Goeze)              | 111. <i>Aphanus alboacuminatus</i> Goeze     |
| <i>Rhyparochromus pini</i> (Linnaeus)              | 112. <i>Aphanus pini</i> L.                  |
| <i>Rhyparochromus vulgaris</i> (Schilling)         | - -  |
| <i>Scolopostethus affinis</i> (Schilling)          | 129. <i>Scolopostethus affinis</i> Schill.   |
| <i>Scolopostethus decoratus</i> (Hahn)             | 131. <i>Scolopostethus decoratus</i> Hahn    |
| <i>Scolopostethus grandis</i> Horváth              | 128. <i>Scolopostethus grandis</i> Horv.     |
| <i>Scolopostethus pictus</i> (Schilling)           | 127. <i>Scolopostethus pictus</i> Schill.    |
| <i>Scolopostethus puberulus</i> Horváth            | 132. <i>Scolopostethus puberulus</i> Horv.   |
| <i>Scolopostethus thomsoni</i> Reuter              | 130. <i>Scolopostethus thomsoni</i> Reut.    |
| <i>Sphragisticus nebulosus</i> (Fallén)            | - -  |
| <i>Stygnocoris fuliginus</i> (Geoffroy)            | 99. <i>Stygnocoris fuliginus</i> Geoffr.     |
| <i>Stygnocoris rusticus</i> (Fallén)               | 97. <i>Stygnocoris rusticus</i> Fall.        |
| <i>Stygnocoris sabulosus</i> (Schilling)           | 98. <i>Stygnocoris pedestris</i> Fall.       |
| <i>Taphropeltus contractus</i> (Herrich-Schaeffer) | 125. <i>Notochilus contractus</i> H. S.      |
| <i>Taphropeltus hamulatus</i> (Thomson)            | 126. <i>Notochilus hamulatus</i> Thom.       |
| <i>Trapezonotus arenarius</i> (Linnaeus)           | 105. <i>Trapezonotus arenarius</i> L.        |
| <i>Trapezonotus desertus</i> Seidenstücker         | - -  |
| <i>Trapezonotus dispar</i> Stål                    | 106. <i>Trapezonotus dispar</i> Stål         |
| <i>Trapezonotus ullrichi</i> (Fieber)              | 107. <i>Trapezonotus ullrichi</i> Fieb.      |
| <i>Tropistethus holosericus</i> (Scholtz)          | 90. <i>Tropistethus holosericeus</i> Scholtz |
| <i>Xanthochilus quadratus</i> (Fabricius)          | 110. <i>Aphanus quadratus</i> Fabr.          |

## BERYTIDAE

- |   |                                       |
|---|---------------------------------------|
| <i>Berytinus clavipes</i> (Fabricius)           | 62. <i>Berytus clavipes</i> Fab.      |
| <i>Berytinus crassipes</i> (Herrich-Schaeffer)  | 66. <i>Berytus crassipes</i> H. S.    |
| <i>Berytinus hirticornis</i> (Brullé)           | - -                                   |
| <i>Berytinus minor</i> (Herrich-Schaeffer)      | 63. <i>Berytus minor</i> H. S.        |
| <i>Berytinus montivagus</i> (Meyer-Dür)         | 65. <i>Berytus montivagus</i> Mey.    |
| <i>Berytinus signoreti</i> (Fieber)             | 64. <i>Berytus signoreti</i> Fieb.    |
| <i>Gampsocoris punctipes</i> (Germar)           | 68. <i>Metacanthus elegans</i> Curt.  |
| <i>Metatropis rufescens</i> (Herrich-Schaeffer) | 67. <i>Metatropis rufescens</i> H. S. |
| <i>Neides tipularius</i> (Linnaeus)             | 61. <i>Neides tipularius</i> L.       |

## PIESMATIDAE

- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| <i>Parapiesma quadratum</i> (Fieber) | 136. <i>Piesma quadrata</i> Fieb. |
| <i>Piesma maculatum</i> (Laporte)    | 137. <i>Piesma maculata</i> Lap.  |

## TINGIDAE

- |                                      |  |
|--------------------------------------|--|
| <i>Acalypta brunnea</i> (Germar)     | 140. <i>Acalypta brunnea</i> Germ.       |
| <i>Acalypta carinata</i> (Panzer)    | 141. <i>Acalypta cervina</i> Germ.       |
| <i>Acalypta nigrina</i> (Fallén)     | 142. <i>Acalypta nigrina</i> Fall.       |
| <i>Acalypta parvula</i> (Fallén)     | 144. <i>Acalypta parvula</i> Fall.       |
| <i>Acalypta platycheila</i> (Fieber) | 141a. <i>Acalypta platychila</i> Fieb.   |
| Deleted (Bedwell, 1945):             | 143. <i>Acalypta macrophthalma</i> Fieb. |
| <i>Agramma laetum</i> (Fallén)       | 138. <i>Serenthia laeta</i> Fall.        |
| <i>Campylostira verna</i> (Fallén)   | 139. <i>Campylostira verna</i> Fall.     |
| <i>Catoplatus fabricii</i> (Stål)    | 153. <i>Monanthia fabricii</i> Stål      |
| <i>Corythucha ciliata</i> (Say)      | - -                                      |



## TINGIDAE (CONTINUED)

<i>Derephysia foliacea</i> (Fallén)	148.	<i>Derephysia foliacea</i> Fall.
<i>Dictyla convergens</i> (Herrich-Schaeffer)	157.	<i>Monanthia humuli</i> F.
<i>Dictyonota fuliginosa</i> A. Costa	147.	<i>Dictyonota fuliginosa</i> Costa
<i>Dictyonota strichnocera</i> Fieber	146.	<i>Dictyonota strichnocera</i> Fieb.
<i>Kalama tricornis</i> (Schränk)	145.	<i>Dictyonota tricornis</i> Schrk.
<i>Lasiacantha capucina</i> (Germar)	148a.	<i>Lasiacantha capucina</i> Germ.
<i>Oncochila simplex</i> (Herrich-Schaeffer)	156.	<i>Monanthia simplex</i> H. S.
<i>Physatocheila confinis</i> Horváth	-	-
<i>Physatocheila dumetorum</i> (Herrich-Schaeffer)	155.	<i>Monanthia dumetorum</i> H. S.
<i>Physatocheila harwoodi</i> China	-	-
<i>Physatocheila smreczynskii</i> China	154.	<i>Monanthia quadrimaculata</i> Wolff
<i>Stephanitis rhododendri</i> Horváth	-	-
<i>Stephanitis takeyai</i> Drake & Maa	-	-
<i>Tingis ampliata</i> (Herrich-Schaeffer)	149.	<i>Monanthia ampliata</i> H. S.
<i>Tingis angustata</i> (Herrich-Schaeffer)	151.	<i>Monanthia angustata</i> H. S.
<i>Tingis cardui</i> (Linnaeus)	150.	<i>Monanthia cardui</i> L.
<i>Tingis reticulata</i> Herrich-Schaeffer	152.	<i>Monanthia ciliata</i> Fieb.

## REDUVIIDAE

<i>Coranus aethiops</i> Jakovlev	-	-
<i>Coranus subapterus</i> (De Geer)	184.	<i>Coranus subapterus</i> De G.
<i>Coranus woodroffe</i> P. V. Putshkov	-	-
<i>Empicoris baerensprungi</i> (Dohrn)	181.	<i>Ploiariola baerensprungi</i> Dohrn
<i>Empicoris culiciformis</i> (De Geer)	180.	<i>Ploiariola culiciformis</i> De G.
<i>Empicoris vagabundus</i> (Linnaeus)	179.	<i>Ploiariola vagabunda</i> L.
<i>Oncocephalus pilicornis</i> Reuter	-	-
<i>Pygolampis bidentata</i> (Goeze)	182.	<i>Pygolampis bidentata</i> Goeze
<i>Reduvius personatus</i> (Linnaeus)	183.	<i>Reduvius personatus</i> L.

## NABIDAE

<i>Himacerus apterus</i> (Fabricius)	186.	<i>Nabis apterus</i> Fab.
<i>Himacerus boops</i> (Schjødte)	189.	<i>Nabis boops</i> Schjødte
<i>Himacerus major</i> (A. Costa)	188.	<i>Nabis major</i> Cost.
<i>Himacerus mirmicoides</i> (O. Costa)	187.	<i>Nabis lativentris</i> Boh.
<i>Nabis brevis</i> Scholtz	196.	<i>Nabis brevis</i> Scholtz
<i>Nabis ericetorum</i> Scholtz	195.	<i>Nabis ericetorum</i> Scholtz
<i>Nabis fesus</i> (Linnaeus)	193.	<i>Nabis fesus</i> L.
<i>Nabis flavomarginatus</i> Scholtz	190.	<i>Nabis flavomarginatus</i> Scholtz
<i>Nabis limbatus</i> Dahlbom	191.	<i>Nabis limbatus</i> Dahlb.
<i>Nabis lineatus</i> Dahlbom	192.	<i>Nabis lineatus</i> Dahlb.
<i>Nabis pseudoferus</i> Remane	-	-
<i>Nabis rugosus</i> (Linnaeus)	194.	<i>Nabis rugosus</i> L.
<i>Prostemma guttula</i> (Fabricius)	185.	<i>Prostemma guttula</i> Fab.

## ANTHOCORIDAE

<i>Acompocoris alpinus</i> Reuter	238.	<i>Acompocoris alpinus</i> Reut.
<i>Acompocoris pygmaeus</i> (Fallén)	237.	<i>Acompocoris pygmaeus</i> Fall.
<i>Anthocoris amplipennis</i> Horváth	-	-
<i>Anthocoris butleri</i> Le Quesne	-	-
<i>Anthocoris confusus</i> Reuter	229.	<i>Anthocoris confusus</i> Reut.
<i>Anthocoris gallarum-ulmi</i> (De Geer)	231.	<i>Anthocoris gallarum-ulmi</i> De G.
<i>Anthocoris limbatus</i> Fieber	235.	<i>Anthocoris limbatus</i> Fieb.
<i>Anthocoris minki</i> Dohrn	-	-
<i>Anthocoris nemoralis</i> (Fabricius)	230.	<i>Anthocoris nemoralis</i> Fab.
<i>Anthocoris nemorum</i> (Linnaeus)	234.	<i>Anthocoris nemorum</i> Lin.
<i>Anthocoris pilosus</i> (Jakovlev)	-	-
<i>Anthocoris sarothamni</i> Douglas & Scott	232.	<i>Anthocoris sarothamni</i> D. & S.
<i>Anthocoris simulans</i> Reuter	-	-
<i>Anthocoris visci</i> Douglas	233.	<i>Anthocoris visci</i> Dougl.

## ANTHOCORIDAE (CONTINUED)

<i>Brachysteles parvicornis</i> (A. Costa)	242.	<i>Brachysteles parvicornis</i> Cost.
<i>Buchananiella continua</i> (F.B. White)	-	-
<i>Cardiastethus fasciiventris</i> (Garbiglietti)	243.	<i>Cardiastethus fasciiventris</i> Garb.
<i>Dufouriellus ater</i> (Dufour)	245.	<i>Xylocoris ater</i> Duf.
<i>Elatophilus nigricornis</i> (Zetterstedt)	228.	<i>Elatophilus nigricornis</i> Zett.
<i>Lyctocoris campestris</i> (Fabricius)	223.	<i>Lyctocoris campestris</i> F.
<i>Orius laevigatus</i> (Fieber)	-	-
<i>Orius laticollis</i> (Reuter)	-	-
<i>Orius majusculus</i> (Reuter)	240.	<i>Triphleps majuscula</i> Reut.
<i>Orius niger</i> (Wolff)	239.	<i>Triphleps nigra</i> Wolff
<i>Orius vicinus</i> (Ribaut)	241.	<i>Triphleps minuta</i> Lin.
<i>Temnostethus gracilis</i> Horváth	-	-
<i>Temnostethus pusillus</i> (Herrich-Schaeffer)	227.	<i>Temnostethus pusillus</i> H. S.
<i>Temnostethus tibialis</i> Reuter	-	-
<i>Tetraphleps bicuspidis</i> (Herrich-Schaeffer)	236.	<i>Tetraphleps vittata</i> Fieb.
<i>Xylocoridea brevipennis</i> Reuter	244.	<i>Xylocoridea brevipennis</i> Reut.
<i>Xylocoris cursitans</i> (Fallén)	225.	<i>Piezostethus cursitans</i> Fall.
<i>Xylocoris formicetorum</i> (Boheman)	226.	<i>Piezostethus formicetorum</i> Boh.
<i>Xylocoris galactinus</i> (Fieber)	224.	<i>Piezostethus galactinus</i> Fieb.

## CIMICIDAE

<i>Cimex columbarius</i> Jenyns	220.	<i>Cimex columbarius</i> Jen.
<i>Cimex lectularius</i> Linnaeus	219.	<i>Cimex lectularius</i> Lin.
<i>Cimex pipistrelli</i> Jenyns	221.	<i>Cimex pipistrelli</i> Jen.
Deleted (Ryan, 2014):	221a.	<i>Cimex dissimilis</i> Horv.
<i>Oeciacus hirundinis</i> (Lamarck)	222.	<i>Cimex hirundinis</i> Jen.

## MICROPHYSIDAE

<i>Loricula coleoptrata</i> (Fallén)	251.	<i>Myrmedobia coleoptrata</i> Fall.
<i>Loricula distinguenda</i> (Reuter)	249.	<i>Myrmedobia distinguenda</i> Reut.
<i>Loricula elegantula</i> (Baerensprung)	247.	<i>Microphysa elegantula</i> Baer.
<i>Loricula exilis</i> (Fallén)	248.	<i>Myrmedobia tenella</i> Zett.
<i>Loricula inconspicua</i> (Douglas & Scott)	250.	<i>Myrmedobia inconspicua</i> D. & S.
<i>Loricula pselaphiformis</i> Curtis	246.	<i>Microphysa pselaphiformis</i> Curt.
<i>Loricula ruficeps</i> (Reuter)	-	-

## MIRIDAE

<i>Acetropis gimmerthalii</i> (Flor)	259.	<i>Acetropis gimmerthali</i> Flor
<i>Adelphocoris lineolatus</i> (Goeze)	279.	<i>Adelphocoris lineolatus</i> Goeze
<i>Adelphocoris seticornis</i> (Fabricius)	281.	<i>Adelphocoris seticornis</i> Fabr.
<i>Adelphocoris ticinensis</i> (Meyer-Dür)	280.	<i>Adelphocoris ticinensis</i> Mey.
<i>Agnocoris reclairei</i> (Wagner)	306.	<i>Lygus rubicundus</i> Fall.
<i>Alloeotomus gothicus</i> (Fallén)	-	-
<i>Amblytylus brevicollis</i> Fieber	388.	<i>Amblytylus brevicollis</i> Fieb.
<i>Amblytylus delicatus</i> (Perris)	387.	<i>Amblytylus delicatus</i> Perr.
<i>Amblytylus nasutus</i> (Kirschbaum)	389.	<i>Amblytylus affinis</i> Fieb.
<i>Apolygus limbatus</i> (Fallén)	296.	<i>Lygus limbatus</i> Fall.
<i>Apolygus lucorum</i> (Meyer-Dür)	297.	<i>Lygus lucorum</i> Mey.
<i>Apolygus spinolae</i> (Meyer-Dür)	298.	<i>Lygus spinolae</i> Mey.
<i>Asciodema obsoleta</i> (Fieber)	425.	<i>Asciodema obsoletum</i> Fieb.
<i>Atractotomus magnicornis</i> (Fallén)	414.	<i>Atractotomus magnicornis</i> Fall.
<i>Atractotomus mali</i> (Meyer-Dür)	413.	<i>Atractotomus mali</i> Mey.
<i>Atractotomus parvulus</i> Reuter	-	-
<i>Blepharidopterus angulatus</i> (Fallén)	346.	<i>Aëtorhinus angulatus</i> Fall.
<i>Blepharidopterus diaphanus</i> (Kirschbaum)	365.	<i>Orthotylus diaphanus</i> Kb.
<i>Bothynotus pilosus</i> (Boheman)	320.	<i>Bothynotus pilosus</i> Boh.
<i>Brachyarthrur limitatum</i> Fieber	394.	<i>Brachyarthrur limitatum</i> Fieb.
<i>Brachynotocoris puncticornis</i> Reuter	-	-
<i>Bryocoris pteridis</i> (Fallén)	322.	<i>Bryocoris pteridis</i> Fall.

## MIRIDAE (CONTINUED)

<i>Calocoris alpestris</i> (Meyer-Dür)	284. <i>Calocoris alpestris</i> Mey.
<i>Calocoris roseomaculatus</i> (De Geer)	283. <i>Calocoris roseomaculatus</i> De Geer
<i>Camptozygum aequale</i> (Villers)	307. <i>Camptozygum pinastri</i> Fall.
<i>Campylomma annulicorne</i> (Signoret)	- -
<i>Campylomma verbasci</i> (Meyer-Dür)	- -
<i>Campyloneura virgula</i> (Herrich-Schaeffer)	333. <i>Campyloneura virgula</i> H. S.
<i>Capsodes flavomarginatus</i> (Donovan)	266. <i>Lopus flavomarginatus</i> Don.
<i>Capsodes gothicus</i> (Linnaeus)	265. <i>Lopus gothicus</i> L.
<i>Capsodes sulcatus</i> (Fieber)	267. <i>Lopus sulcatus</i> Fieb.
<i>Capsus ater</i> (Linnaeus)	317. <i>Rhopalotomus ater</i> L.
<i>Capsus wagneri</i> (Remane)	- -
<i>Charagochilus gyllenhalii</i> (Fallén)	312. <i>Charagochilus gyllenhalii</i> Fall.
<i>Charagochilus weberi</i> Wagner	- -
<i>Chlamydatus evanescens</i> (Boheman)	421. <i>Chlamydatus evanescens</i> Boh.
<i>Chlamydatus pulicarius</i> (Fallén)	- -
<i>Chlamydatus pullus</i> (Reuter)	418. <i>Chlamydatus pullus</i> Reut
<i>Chlamydatus saltitans</i> (Fallén)	419. <i>Chlamydatus saltitans</i> Fall.
<i>Chlamydatus wilkinsoni</i> (Douglas & Scott)	420. <i>Chlamydatus wilkinsoni</i> D. & S.
<i>Closterotomus fulvomaculatus</i> (De Geer)	285. <i>Calocoris fulvomaculatus</i> De Geer
<i>Closterotomus norwegicus</i> (Gmelin)	282. <i>Calocoris bipunctatus</i> Fabr.
<i>Closterotomus trivialis</i> (A. Costa)	- -
<i>Compsidolon salicellum</i> (Herrich-Schaeffer)	412. <i>Psallus salicellus</i> Mey.
<i>Conostethus brevis</i> Reuter	381. <i>Conostethus brevis</i> Reut.
<i>Conostethus griseus</i> Douglas & Scott	380. <i>Conostethus salinus</i> J. Sahl.
<i>Conostethus roseus</i> (Fallén)	382. <i>Conostethus roseus</i> Fall.
<i>Conostethus venustus</i> (Fieber)	- -
<i>Cyllocoris histrionicus</i> (Linnaeus)	344. <i>Cyllocoris histrionicus</i> Lin.
<i>Cyrtorhinus caricis</i> (Fallén)	351. <i>Cyrtorhinus caricis</i> Fall.
<i>Deraeocoris flavilinea</i> (A. Costa)	- -
<i>Deraeocoris lutescens</i> (Schilling)	314. <i>Camptobrochis lutescens</i> Schill.
<i>Deraeocoris olivaceus</i> (Fabricius)	- -
<i>Deraeocoris ruber</i> (Linnaeus)	315. <i>Capsus ruber</i> Lin.
<i>Deraeocoris scutellaris</i> (Fabricius)	316. <i>Capsus scutellaris</i> Fabr.
<i>Dichrooscytus gustavi</i> Josifov	291a. <i>Dichrooscytus valesianus</i> Fieb.
<i>Dichrooscytus rufipennis</i> (Fallén)	291. <i>Dichrooscytus rufipennis</i> Fall.
<i>Dicyphus annulatus</i> (Wolff)	332. <i>Dicyphus annulatus</i> Wolff
<i>Dicyphus constrictus</i> (Boheman)	326. <i>Dicyphus constrictus</i> Boh.
<i>Dicyphus epilobii</i> Reuter	327. <i>Dicyphus epilobii</i> Reut.
<i>Dicyphus errans</i> (Wolff)	328. <i>Dicyphus errans</i> Wolff
<i>Dicyphus escalerae</i> Lindberg	- -
<i>Dicyphus globulifer</i> (Fallén)	331. <i>Dicyphus globulifer</i> Fall.
<i>Dicyphus pallicornis</i> (Fieber)	330. <i>Dicyphus pallidicornis</i> Fieb.
<i>Dicyphus pallidus</i> (Herrich-Schaeffer)	- -
<i>Dicyphus stachydis</i> J. Sahlberg	329. <i>Dicyphus stachydis</i> Reut.
<i>Dryophilocoris flavoquadrimaculatus</i> (De Geer)	345. <i>Cyllocoris flavonotatus</i> Boh.
<i>Europiella artemisiae</i> (Becker)	415. <i>Plagiognathus albipennis</i> Fall.
<i>Europiella decolor</i> (Uhler)	- -
<i>Fieberocapsus flaveolus</i> (Reuter)	354. <i>Cyrtorhinus flaveolus</i> Reut.
<i>Globiceps flavomaculatus</i> (Fabricius)	348. <i>Globiceps flavomaculatus</i> Fabr.
<i>Globiceps fulvicollis</i> Jakovlev	347. <i>Globiceps cruciatus</i> Reut.
<i>Globiceps juniperi</i> Reuter	- -
<i>Grypocoris styisi</i> (Wagner)	286. <i>Calocoris sexguttatus</i> Fabr.
<i>Hadrodemus m-flavum</i> (Goeze)	288. <i>Homodemus M-flavum</i> Goeze
<i>Hallodapus montandoni</i> Reuter	- -
<i>Hallodapus rufescens</i> (Burmeister)	323. <i>Allodapus rufescens</i> Burm.
<i>Halticus apterus</i> (Linnaeus)	340. <i>Halticus apterus</i> Lin.
<i>Halticus luteicollis</i> (Panzer)	338. <i>Halticus luteicollis</i> Pz.
<i>Halticus macrocephalus</i> Fieber	- -
<i>Halticus saltator</i> (Geoffroy)	339. <i>Halticus saltator</i> Geoffr. in Fourer

## MIRIDAE (CONTINUED)

<i>Harpocera thoracica</i> (Fallén)	392. <i>Harpocera thoracica</i> Fall.
<i>Heterocordylus genistae</i> (Scopoli)	375. <i>Heterocordylus genistae</i> Scop.
<i>Heterocordylus tibialis</i> (Hahn)	376. <i>Heterocordylus tibialis</i> Hahn
<i>Heterotoma planicornis</i> (Pallas)	374. <i>Heterotoma meriopterum</i> Scop.
<i>Hoplomachus thunbergii</i> (Fallén)	383. <i>Hoplomachus thunbergi</i> Fall.
<i>Hypseloecus visci</i> (Puton)	- -
<i>Leptopterna dolabrata</i> (Linnaeus)	264. <i>Leptopterna dolabrata</i> L.
<i>Leptopterna ferrugata</i> (Fallén)	263. <i>Leptopterna ferrugata</i> Fall.
<i>Liocoris tripustulatus</i> (Fabricius)	313. <i>Liocoris tripustulatus</i> Fabr.
<i>Lopus decolor</i> (Fallén)	378. <i>Onychumenus decolor</i> Fall.
<i>Lygocoris pabulinus</i> (Linnaeus)	293. <i>Lygus pabulinus</i> Lin.
<i>Lygocoris rugicollis</i> (Fallén)	292. <i>Plesiocoris rugicollis</i> Fall.
<i>Lygus maritimus</i> Wagner	- -
<i>Lygus pratensis</i> (Linnaeus)	299. <i>Lygus pratensis</i> Lin.
<i>Lygus punctatus</i> (Zetterstedt)	- -
<i>Lygus rugulipennis</i> Poppius	- -
<i>Lygus wagneri</i> Remane	- -
<i>Macrolophus pygmaeus</i> (Rambur)	325. <i>Macrolophus nubilus</i> H. S.
<i>Macrolophus rubi</i> Woodroffe	- -
<i>Macrotylus horvathi</i> (Reuter)	- -
<i>Macrotylus paykullii</i> (Fallén)	391. <i>Macrotylus paykulli</i> Fall.
<i>Macrotylus solitarius</i> (Meyer-Dür)	390. <i>Macrotylus solitarius</i> Mey.
<i>Malacocoris chlorizans</i> (Panzer)	377. <i>Malacocoris chlorizans</i> Fall.
<i>Mecomma ambulans</i> (Fallén)	350. <i>Mecomma ambulans</i> Fall.
<i>Mecomma dispar</i> (Boheman)	349. <i>Globiceps dispar</i> Boh.
<i>Megacoelum beckeri</i> (Fieber)	278a. <i>Megacoelum beckeri</i> Fieb.
<i>Megacoelum infusum</i> (Herrich-Schaeffer)	278. <i>Megacoelum infusum</i> H. S.
<i>Megaloceroea recticornis</i> (Geoffroy)	256. <i>Megaloceroea linearis</i> Fuessl.
<i>Megalocoleus molliculus</i> (Fallén)	385. <i>Megalocoleus molliculus</i> Fall.
<i>Megalocoleus tanacetii</i> (Fallén)	384. <i>Megalocoleus pilosus</i> Schr.
<i>Miridius quadrivirgatus</i> (A. Costa)	269. <i>Miridius quadrivirgatus</i> Costa
<i>Miris striatus</i> (Linnaeus)	289. <i>Pycnopterna striata</i> Lin.
<i>Monalocoris filicis</i> (Linnaeus)	321. <i>Monalocoris filicis</i> Lin.
<i>Monosynamma bohemani</i> (Fallén)	422. <i>Neocoris bohemani</i> Fall.
<i>Monosynamma maritimum</i> (Wagner)	- -
<i>Monosynamma sabulicola</i> (Wagner)	- -
<i>Myrmecoris gracilis</i> (R.F. Sahlberg)	319. <i>Myrmecoris gracilis</i> Sahlb.
<i>Neolygus contaminatus</i> (Fallén)	294. <i>Lygus contaminatus</i> Fall.
<i>Neolygus populi</i> (Leston)	- -
<i>Neolygus viridis</i> (Fallén)	295. <i>Lygus viridis</i> Fall.
<i>Notostira elongata</i> (Geoffroy)	- -
<i>Notostira erratica</i> (Linnaeus)	255. <i>Megaloceroea erratica</i> L.
<i>Oncotylus viridiflavus</i> (Goeze)	379. <i>Oncotylus viridiflavus</i> Goeze
<i>Orthocephalus coriaceus</i> (Fabricius)	335. <i>Orthocephalus mutabilis</i> Fall.
<i>Orthocephalus saltator</i> (Hahn)	334. <i>Orthocephalus saltator</i> Hahn
<i>Orthonotus rufifrons</i> (Fallén)	393. <i>Byrsoptera rufifrons</i> Fall.
<i>Orthops basalis</i> (A. Costa)	- -
<i>Orthops campestris</i> (Linnaeus)	304. <i>Lygus pastinacae</i> Fall.
<i>Orthops kalmii</i> (Linnaeus)	305. <i>Lygus Kalmii</i> Lin.
<i>Orthotylus adenocarpi</i> (Perris)	369. <i>Orthotylus adenocarpi</i> Perr.
<i>Orthotylus bilineatus</i> (Fallén)	356. <i>Orthotylus bilineatus</i> Fall.
<i>Orthotylus caprai</i> Wagner	- -
<i>Orthotylus concolor</i> (Kirschbaum)	368. <i>Orthotylus concolor</i> Kb.
<i>Orthotylus ericetorum</i> (Fallén)	371. <i>Orthotylus ericetorum</i> Fall.
<i>Orthotylus flavinervis</i> (Kirschbaum)	357. <i>Orthotylus flavinervis</i> Kb.
<i>Orthotylus flavosparsus</i> (C.R. Sahlberg)	366. <i>Orthotylus flavosparsus</i> Sahlb.
<i>Orthotylus fuscescens</i> (Kirschbaum)	355. <i>Orthotylus fuscescens</i> Kb.
<i>Orthotylus junipericola</i> Linnavuori	- -
<i>Orthotylus marginalis</i> Reuter	358. <i>Orthotylus marginalis</i> Reut.

## MIRIDAE (CONTINUED)

- Orthotylus moncreaffi* (Douglas & Scott)  
*Orthotylus nassatus* (Fabricius)  
*Orthotylus ochrotrichus* Fieber  
*Orthotylus prasinus* (Fallén)  
Deleted (Southwood, 1953):  
*Orthotylus rubidus* (Puton)  
*Orthotylus tenellus* (Fallén)  
*Orthotylus virens* (Fallén)  
*Orthotylus virescens* (Douglas & Scott)  
*Orthotylus viridinervis* (Kirschbaum)  
*Pachytomella parallela* (Meyer-Dür)  
*Pantilius tunicatus* (Fabricius)  
*Parapsallus vitellinus* (Scholtz)  
*Phoenicocoris obscurellus* (Fallén)  
*Phylus coryli* (Linnaeus)  
*Phylus melanocephalus* (Linnaeus)  
Deleted (Ryan, 2013):  
*Phytocoris dimidiatus* Kirschbaum  
*Phytocoris insignis* Reuter  
*Phytocoris longipennis* Flor  
*Phytocoris pini* Kirschbaum  
*Phytocoris populi* (Linnaeus)  
*Phytocoris reuteri* Saunders  
*Phytocoris tiliae* (Fabricius)  
*Phytocoris ulmi* (Linnaeus)  
*Phytocoris varipes* Boheman  
*Pilophorus cinnamopterus* (Kirschbaum)  
*Pilophorus clavatus* (Linnaeus)  
*Pilophorus confusus* (Kirschbaum)  
*Pilophorus perplexus* Douglas & Scott  
*Pinalitus atomarius* (Meyer-Dür)  
*Pinalitus cervinus* (Herrich-Schaeffer)  
*Pinalitus rubricatus* (Fallén)  
*Pinalitus viscidola* (Puton)  
*Pithanus maerkelii* (Herrich-Schaeffer)  
*Placochilus seladonicus* (Fallén)  
*Plagiognathus arbustorum* (Fabricius)  
*Plagiognathus chrysanthemi* (Wolff)  
*Platycranus bicolor* (Douglas & Scott)  
*Plesiodema pinetella* (Zetterstedt)  
*Polymerus nigrita* (Fallén)  
*Polymerus palustris* (Reuter)  
*Polymerus unifasciatus* (Fabricius)  
*Polymerus vulneratus* (Panzer)  
*Psallodema fieberi* (Fieber)  
*Psallus albicinctus* (Kirschbaum)  
*Psallus ambiguus* (Fallén)  
*Psallus assimilis* Stichel  
*Psallus betuleti* (Fallén)  
*Psallus confusus* Rieger  
*Psallus falleni* Reuter  
*Psallus flavellus* Stichel  
*Psallus haematodes* (Gmelin)  
*Psallus lepidus* Fieber  
*Psallus luridus* Reuter  
*Psallus mollis* (Mulsant & Rey)  
*Psallus montanus* Josifov  
*Psallus perrisi* (Mulsant & Rey)  
*Psallus pseudoplatani* Reichling  
370. *Orthotylus rubidus* Put. var. *moncreaffi* D. & S.  
360. *Orthotylus nassatus* Fabr.  
364. *Orthotylus ochrotrichus* Fieb.  
362. *Orthotylus prasinus* Fall.  
363. *Orthotylus scotti* Reut.  
370. *Orthotylus rubidus* Put.  
359. *Orthotylus tenellus* Fall.  
356a. *Orthotylus virens* Fall.  
367. *Orthotylus chloropterus* Kb.  
361. *Orthotylus viridinervis* Kb.  
- -  
268. *Pantilius tunicatus* Fab.  
411. *Psallus vitellinus* Scholtz  
401. *Psallus obscurellus* Fall.  
397. *Phylus coryli* L. and var. *avellanae* Mey.  
396. *Phylus melanocephalus* L.  
395. *Phylus palliceps* Fieb.  
273. *Phytocoris dimidiatus* Kb.  
- -  
272. *Phytocoris longipennis* Flor  
275. *Phytocoris pini* Kb.  
270. *Phytocoris populi* L.  
274. *Phytocoris reuteri* Saund.  
271. *Phytocoris tiliae* Fabr.  
277. *Phytocoris ulmi* L.  
276. *Phytocoris varipes* Boh.  
341. *Pilophorus cinnamopterus* Kb.  
342. *Pilophorus clavatus* L.  
- -  
343. *Pilophorus perplexus* D. & S.  
301. *Lygus atomarius* Mey.  
302. *Lygus cervinus* H. S.  
300. *Lygus rubricatus* Fall.  
303. *Lygus viscidola* Put.  
318. *Pithanus maerkeli* H. S.  
- -  
417. *Plagiognathus arbustorum* Fabr.  
416. *Plagiognathus chrysanthemi* Wolff  
372. *Hypsitylus bicolor* D. & S.  
398. *Plesiodema pinetellum* Zett.  
311. *Polymerus nigritus* Fall.  
309. *Poeciloscytus palustris* Reut.  
308. *Poeciloscytus unifasciatus* Fabr.  
310. *Poeciloscytus vulneratus* Pz.  
426. *Asciodema fieberi* D. & S.  
409. *Psallus albicinctus* Kb.  
399. *Psallus ambiguus* Fall.  
- -  
400. *Psallus betuleti* Fall.  
408. *Psallus diminutus* Kb.  
406. *Psallus fallenii* Reut.  
404. *Psallus lepidus* Fieb. var. *minor*  
410. *Psallus roseus* Fabr.  
404. *Psallus lepidus* Fieb.  
- -  
- -  
- -  
- -  
- -

## MIRIDAE (CONTINUED)

<i>Psallus quercus</i> (Kirschbaum)	403.	<i>Psallus quercus</i> Kb.
<i>Psallus salicis</i> (Kirschbaum)	405.	<i>Psallus alnicola</i> D. & S.
<i>Psallus variabilis</i> (Fallén)	402.	<i>Psallus variabilis</i> Fall.
<i>Psallus varians</i> (Herrich-Schaeffer)	407.	<i>Psallus varians</i> H. S.
<i>Psallus wagneri</i> Ossiannilsson	-	-
<i>Pseudoloxops coccineus</i> (Meyer-Dür)	373.	<i>Loxops coccinea</i> Mey.
<i>Reuteria marqueti</i> Puton	-	-
<i>Rhabdomiris striatellus</i> (Fabricius)	287.	<i>Calocoris ochromelas</i> Gmel.
<i>Salicarus roseri</i> (Herrich-Schaeffer)	423.	<i>Sthenarus roseri</i> H. S.
<i>Stenodema calcarata</i> (Fallén)	252.	<i>Miris calcaratus</i> Fall.
<i>Stenodema holsata</i> (Fabricius)	254.	<i>Miris holsatus</i> F.
<i>Stenodema laevigata</i> (Linnaeus)	253.	<i>Miris laevigatus</i> L.
<i>Stenodema trispinosa</i> Reuter	-	-
<i>Stenotus binotatus</i> (Fabricius)	290.	<i>Stenotus binotatus</i> Fabr.
<i>Sthenarus rotermundi</i> (Scholtz)	424.	<i>Sthenarus rotermundi</i> Scholtz
<i>Strongylocoris leucocephalus</i> (Linnaeus)	336.	<i>Strongylocoris leucocephalus</i> Lin.
<i>Strongylocoris luridus</i> (Fallén)	337.	<i>Strongylocoris luridus</i> Fall.
<i>Systellonotus triguttatus</i> (Linnaeus)	324.	<i>Systellonotus triguttatus</i> Lin.
<i>Teratocoris antennatus</i> (Boheman)	260.	<i>Teratocoris antennatus</i> Boh.
<i>Teratocoris caricis</i> Kirkaldy	-	-
<i>Teratocoris saundersi</i> Douglas & Scott	262.	<i>Teratocoris saundersi</i> D. & S.
<i>Teratocoris viridis</i> Douglas & Scott	261.	<i>Teratocoris viridis</i> D. & S.
<i>Tinicephalus hortulanus</i> (Meyer-Dür)	386.	<i>Megalocoleus hortulanus</i> Mey.
<i>Trigonotylus caelestialium</i> (Kirkaldy)	-	-
<i>Trigonotylus psammaecolor</i> Reuter	258.	<i>Megaloceraea psammaecolor</i> Reut.
<i>Trigonotylus ruficornis</i> (Geoffroy)	257.	<i>Megaloceraea ruficornis</i> Geoffr.
<i>Tropidosteptes pacificus</i> (Van Duzee)	-	-
<i>Tupiocoris rhododendri</i> (Dolling)	-	-
<i>Tuponia brevirostris</i> Reuter	-	-
<i>Tuponia mixticolor</i> (A. Costa)	-	-
<i>Tytthus pubescens</i> (Knight)	353.	<i>Cyrtorrhinus geminus</i> Flor
<i>Tytthus pygmaeus</i> (Zetterstedt)	352.	<i>Cyrtorrhinus pygmaeus</i> Zett.
<i>Zygimus nigriceps</i> (Fallén)	-	-

## CERATOCOMBIDAE

<i>Ceratocombus coleoptratus</i> (Zetterstedt)	216.	<i>Ceratocombus coleoptratus</i> Zett.
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## DIPSOCORIDAE

<i>Cryptostemma alienum</i> Herrich-Schaeffer	218.	<i>Cryptostemma alienum</i> H. S.
<i>Pachycoleus waltli</i> Fieber	217.	<i>Pachycoleus rufescens</i> J. Sahlb.

## SALDIDAE

<i>Chartoscirta cincta</i> (Herrich-Schaeffer)	213.	<i>Salda cincta</i> H. S.
<i>Chartoscirta cocksi</i> (Curtis)	214.	<i>Salda cocksi</i> Curt.
<i>Chartoscirta elegantula</i> (Fallén)	215.	<i>Salda elegantula</i> Fall.
<i>Chiloxanthus pilosus</i> (Fallén)	197.	<i>Salda pilosa</i> Fall.
<i>Halosalda lateralis</i> (Fallén)	212.	<i>Salda lateralis</i> Fall.
<i>Macrosaldula scotica</i> (Curtis)	203.	<i>Salda scotica</i> Curt.
<i>Micracanthia marginalis</i> (Fallén)	201.	<i>Salda marginalis</i> Fall.
<i>Salda littoralis</i> (Linnaeus)	198.	<i>Salda littoralis</i> L.
<i>Salda morio</i> Zetterstedt	200.	<i>Salda morio</i> Zett.
<i>Salda muelleri</i> (Gmelin)	199.	<i>Salda oculata</i> Müll.
<i>Saldula arenicola</i> (Scholtz)	211.	<i>Salda arenicola</i> Scholtz
<i>Saldula c-album</i> (Fieber)	206.	<i>Salda C-album</i> Fieb.
<i>Saldula connemarae</i> Walton	-	-
<i>Saldula fucicola</i> (J. Sahlberg)	-	-
<i>Saldula melanosccla</i> (Fieber)	-	-
<i>Saldula opacula</i> (Zetterstedt)	207.	<i>Salda opacula</i> Zett.
<i>Saldula orthochila</i> (Fieber)	204.	<i>Salda orthochila</i> Fieb.

## SALDIDAE (CONTINUED)

- |  |      |                               |
|--|------|-------------------------------|
| <i>Saldula pallipes</i> (Fabricius)    | 210. | <i>Salda pallipes</i> Fab.    |
| <i>Saldula palustris</i> (Douglas)     | -    | -                             |
| <i>Saldula pilosella</i> (Thomson)     | 209. | <i>Salda pilosella</i> Thoms. |
| <i>Saldula saltatoria</i> (Linnaeus)   | 205. | <i>Salda saltatoria</i> L.    |
| <i>Saldula setulosa</i> (Puton)        | 208. | <i>Salda setulosa</i> Put.    |
| <i>Teloleuca pellucens</i> (Fabricius) | 202. | <i>Salda riparia</i> Fall.    |

## AEOPHILIDAE

- |                                      |      |                                   |
|--------------------------------------|------|-----------------------------------|
| <i>Aepophilus bonnairei</i> Signoret | 165. | <i>Aëpophilus bonnairei</i> Sign. |
|--------------------------------------|------|-----------------------------------|

## MESOVELIIDAE

- |  |      |                                |
|--|------|--------------------------------|
| <i>Mesovelia furcata</i> Mulsant & Rey | 164. | <i>Mesovelia furcata</i> Muls. |
|--|------|--------------------------------|

## HEBRIDAE

- |                                 |      |                               |
|---------------------------------|------|-------------------------------|
| <i>Hebrus pusillus</i> (Fallén) | 162. | <i>Hebrus pusillus</i> Fall.  |
| <i>Hebrus ruficeps</i> Thomson  | 163. | <i>Hebrus ruficeps</i> Thoms. |

## HYDROMETRIDAE

- |  |      |                                |
|--|------|--------------------------------|
| <i>Hydrometra gracilentia</i> Horváth  | -    | -                              |
| <i>Hydrometra stagnorum</i> (Linnaeus) | 166. | <i>Hydrometra stagnorum</i> L. |

## VELIIDAE

- |   |      |                                    |
|---|------|------------------------------------|
| <i>Microvelia buenoi</i> Drake            | -    | -                                  |
| <i>Microvelia pygmaea</i> (Dufour)        | -    | -                                  |
| <i>Microvelia reticulata</i> (Burmeister) | 167. | <i>Microvelia reticulata</i> Burm. |
| <i>Velia caprai</i> Tamanini              | 168. | <i>Velia currens</i> Fabr.         |
| <i>Velia saulii</i> Tamanini              | -    | -                                  |

## GERRIDAE

- |   |      |  |
|---|------|--|
| <i>Aquarius najas</i> (De Geer)               | 171. | <i>Gerris najas</i> De G.                      |
| <i>Aquarius paludum</i> (Fabricius)           | 170. | <i>Gerris paludum</i> Fab.                     |
| <i>Gerris argentatus</i> Schummel             | 177. | <i>Gerris argentatus</i> Schum.                |
| <i>Gerris costae</i> (Herrich-Schaeffer)      | 172. | <i>Gerris lateralis</i> v. <i>costae</i> H. S. |
| <i>Gerris gibbifer</i> Schummel               | 175. | <i>Gerris gibbifer</i> Schum.                  |
| <i>Gerris lacustris</i> (Linnaeus)            | 176. | <i>Gerris lacustris</i> L.                     |
| <i>Gerris lateralis</i> Schummel              | 174. | <i>Gerris asper</i> Fieb.                      |
| <i>Gerris odontogaster</i> (Zetterstedt)      | 178. | <i>Gerris odontogaster</i> Zett.               |
| <i>Gerris thoracicus</i> Schummel             | 173. | <i>Gerris thoracicus</i> Schum.                |
| <i>Limnoporus rufoscutellatus</i> (Latreille) | 169. | <i>Gerris rufoscutellatus</i> Ltr.             |

## NEPIDAE

- |                                    |      |                            |
|------------------------------------|------|----------------------------|
| <i>Nepa cinerea</i> Linnaeus       | 427. | <i>Nepa cinerea</i> L.     |
| <i>Ranatra linearis</i> (Linnaeus) | 428. | <i>Ranatra linearis</i> L. |

## NAUCORIDAE

- |  |      |                               |
|--|------|-------------------------------|
| <i>Ilyocoris cimicoides</i> (Linnaeus) | 430. | <i>Naucoris cimicoides</i> L. |
| <i>Naucoris maculatus</i> Fabricius    | -    | -                             |

## APHELOCHEIRIDAE

- |   |      |   |
|---|------|---|
| <i>Aphelocheirus aestivalis</i> (Fabricius) | 429. | <i>Aphelochirus aestivalis</i> Fab. forma <i>montandoni</i> Horv. |
|---|------|---|

## NOTONECTIDAE

- |                                     |      |   |
|-------------------------------------|------|---|
| <i>Notonecta glauca</i> Linnaeus    | 431. | <i>Notonecta glauca</i> L.                              |
| <i>Notonecta maculata</i> Fabricius | 431. | <i>Notonecta maculata</i> Fab.                          |
| <i>Notonecta obliqua</i> Thunberg   | 431. | <i>Notonecta furcata</i> Fab. ( <i>marginata</i> Müll.) |
| <i>Notonecta viridis</i> Delcourt   | 431. | <i>Notonecta halophila</i> Edw.                         |

## PLEIDAE

- |                               |      |                               |
|-------------------------------|------|-------------------------------|
| <i>Plea minutissima</i> Leach | 432. | <i>Plea minutissima</i> Fabr. |
|-------------------------------|------|-------------------------------|

## CORIXIDAE

<i>Arctocorisa carinata</i> (C.R. Sahlberg)	456. <i>Corixa carinata</i> Sahlb.
<i>Arctocorisa germari</i> (Fieber)	457. <i>Corixa germari</i> Fieb.
<i>Callicorixa praeusta</i> (Fieber)	452. <i>Corixa praeusta</i> Fieb.
Deleted (Brooke, 2006):	453. <i>Corixa sodalis</i> D. & S.
Deleted (Brooke, 2006):	451. <i>Corixa boldi</i> D. & S.
<i>Callicorixa wollastoni</i> (Douglas & Scott)	452. <i>Corixa praeusta</i> var. <i>wollastoni</i> D. & S.
Deleted (Brooke, 2006):	454. <i>Corixa caledonica</i> Kirk.
<i>Corixa affinis</i> Leach	434b. <i>Corixa affinis</i> Leach
<i>Corixa dentipes</i> Thomson	- -
<i>Corixa iberica</i> Jansson	- -
<i>Corixa panzeri</i> Fieber	434a. <i>Corixa panzeri</i> Fieb.
<i>Corixa punctata</i> (Illiger)	433. <i>Corixa geoffroyi</i> Leach
<i>Cymatia bonsdorffii</i> (C.R. Sahlberg)	459. <i>Corixa bonsdorffii</i> Sahlb.
<i>Cymatia coleoptrata</i> (Fabricius)	460. <i>Corixa coleoptrata</i> Fabr.
<i>Cymatia rogenhoferi</i> (Fieber)	- -
<i>Glaenocorisa cavifrons</i> (Thomson)	458. <i>Corixa cavifrons</i> Thoms.
<i>Glaenocorisa propinqua</i> (Fieber)	- -
<i>Hesperocorixa castanea</i> (Thomson)	- -
<i>Hesperocorixa linnaei</i> (Fieber)	439. <i>Corixa linnaei</i> Fieb.
<i>Hesperocorixa moesta</i> (Fieber)	446. <i>Corixa moesta</i> Fieb.
<i>Hesperocorixa sahlbergi</i> (Fieber)	438. <i>Corixa sahlbergi</i> Fieb.
<i>Micronecta griseola</i> Horváth	- -
<i>Micronecta minutissima</i> (Linnaeus)	461. <i>Micronecta minutissima</i> Lin.
<i>Micronecta poweri</i> (Douglas & Scott)	- -
<i>Micronecta scholtzi</i> (Fieber)	462. <i>Micronecta meridionalis</i> Costa
<i>Paracorixa concinna</i> (Fieber)	455. <i>Corixa concinna</i> Fieb.
<i>Sigara distincta</i> (Fieber)	444. <i>Corixa distincta</i> Fieb.
<i>Sigara dorsalis</i> (Leach)	- -
<i>Sigara falleni</i> (Fieber)	445. <i>Corixa fallenii</i> Fieb.
<i>Sigara fallenoidea</i> (Hungerford)	- -
<i>Sigara fossarum</i> (Leach)	447. <i>Corixa fossarum</i> Leach
<i>Sigara iactans</i> Jansson	- -
<i>Sigara lateralis</i> (Leach)	437. <i>Corixa hieroglyphica</i> Duf.
<i>Sigara limitata</i> (Fieber)	440. <i>Corixa limitata</i> Fieb.
<i>Sigara longipalis</i> (J. Sahlberg)	- -
<i>Sigara nigrolineata</i> (Fieber)	450. <i>Corixa nigrolineata</i> Fieb.
Deleted (Brooke, 2006):	448. <i>Corixa saundersi</i> Kirk.
<i>Sigara scotti</i> (Douglas & Scott)	449. <i>Corixa scotti</i> Scott
<i>Sigara selecta</i> (Fieber)	436. <i>Corixa selecta</i> Fieb.
<i>Sigara semistriata</i> (Fieber)	441. <i>Corixa semistriata</i> Fieb.
<i>Sigara stagnalis</i> (Leach)	435. <i>Corixa lugubris</i> Fieb.
<i>Sigara striata</i> (Linnaeus)	443. <i>Corixa striata</i> Lin.
<i>Sigara venusta</i> (Douglas & Scott)	442. <i>Corixa venusta</i> D. & S.

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**BOOK REVIEW:**

***VERSPREIDINGSATLAS VAN DE BELGISCHE MIRIDAE (INSECTA: HETEROPTERA)***  
***[A DISTRIBUTION ATLAS OF THE BELGIAN MIRIDAE (INSECTA: HETEROPTERA)]***

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Further to my review of the Dutch atlas of the Hemiptera-Heteroptera (Ryan, 2015), one of the authors (Dr Berend Aukema) kindly sent a copy of the following work.

Aukema, B., Chérot, F., Viskens, G. & Bruers, J. 2014. *Verspreidingsatlas van de Belgische Miridae (Insecta: Heteroptera)*. Koninklijk Belgisch Instituut voor Natuurwetenschappen, Brussel. ISBN 9789073242326. 311 pages.

Like the Dutch atlas, this book is soft bound and the text is entirely in the Dutch language. It differs in being larger (A4, 30x21cm) and printed in colour, rather than monochrome. I have not been able to find a price for the book on the publisher's website, but it is listed at 45 Euros from an online bookseller (<http://www.boek.be>). This compares with 10 Euros for the Dutch Miridae atlas (Volume 3) from the publisher, or 30 Euros from an online bookseller (<http://www.bol.com>).

The structure of the Belgian atlas is almost identical to that of the Dutch atlas. Following a short introductory section, each species is given a separate page, with an introductory page for each subfamily, including illustrations of one or more example insects. The text of each species page is divided into sections covering synonyms (where applicable), references for identification, comments on world distribution, natural history, Belgian status, and references to other relevant publications for that species. Supporting the text are diagrams. A bar-chart shows the seasonal distribution of adults, plotting the number of records for each 10 day period (three per month) through the year, separately for males and females. An area-plotted distribution map covering the whole of Europe shows in which countries the species has been recorded. The geographical distribution within Belgium is shown as spot-plotted maps, one for records prior to 1980 and another for records from 1980 onwards. The spots represent grid squares 5 by 5 km (uurhokken, quarter-hectads). An example species page is shown in Figure 1. The atlas concludes with a reference list, index and five appendices: a systematic listing of the species covered by the volume; a tabulation of record totals by category for each species; a cross-tabulation of records for species by province (the 11 regions of Belgium); a list of the names of contributing recorders; and, additional to the Dutch atlas, a cross-tabulation comparing the list of recorded species for Belgium with the neighbouring countries of Netherlands, Germany and France.

Colour is used in the distribution maps, and the drawings of example insects of the Dutch atlas are replaced by colour photographs in the Belgian atlas.

Naturally, my highly positive review of the Dutch atlas applies to the Belgian text. But, to compare the two books, I prefer the format of the Dutch atlas. The colour printing of the Belgian book is probably not worth the higher price tag. Also, the larger size of the Belgian text makes it cumbersome to use, and is no clearer than the Dutch book. However, I am as glad to have the Belgian atlas on my

bookshelf as I am the three volumes of the Dutch atlas, and very much hope that this publication initiative extends to other countries.

I am most grateful to Dr Aukema for sending me the Belgian atlas for review.

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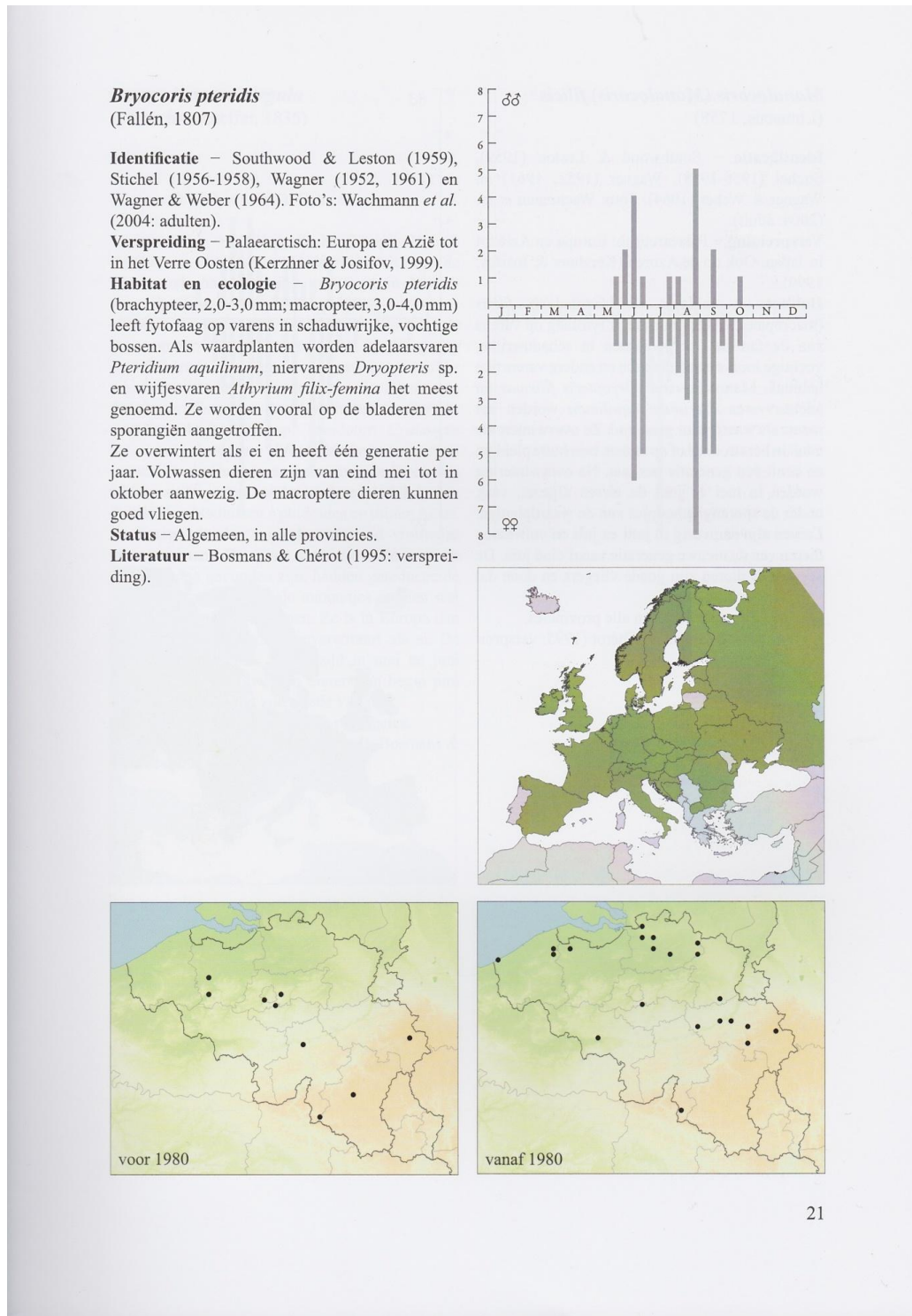


FIGURE 1. An example species page from the atlas.

**AN ANNOTATED CHECKLIST OF THE AMBIGUOUS SPECIES NAMES  
OF HEMIPTERA-HETEROPTERA FROM BUTLER (1923) TO MASSEE (1955)**

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This article is a prequel to Ryan (2015), which lists the ambiguous species names which affected the updating of the county distribution of Massee (1955) to produce the new county distribution of Ryan (2014). The present article lists the additional ambiguous species names that arose in the period between the publication of Butler (1923) and Massee (1955), and thereby assists in the interpretation of county records published in the interval between. As stated previously, the significance of ambiguous species names is that once it is discovered that two distinct species have been recorded under the same name, all previous records must be discounted, unless they are supported by authenticated specimens. The additional ambiguous species names are as follows.

SCUTELLERIDAE

*Eurygaster maura* (Linnaeus)

Prior to China (1927), this name was believed to represent a single species in Britain. In fact, there were two species: *Eurygaster maura* (Linnaeus) and *Eurygaster testudinaria* (Geoffroy). The latter proved to be the more common and widely distributed species.

ANTHOCORIDAE

*Orius niger* (Wolff), formerly *Triphleps nigra* Wolff

When Britten (1939) reported *Orius laevigatus* (Fieber), formerly *Triphleps laevigata* Fieber, as new to Britain, it was discovered that many specimens standing under the above name in British collections were in fact the new species. Both were widely distributed, and there had clearly been confusion between them.

MIRIDAE

*Orthotylus ochrotrichus* Fieber

*Orthotylus prasinus* (Fallén)

Southwood & Leston (1959) states that these two species have been confused and that all 'early' records should be discounted, citing Southwood (1953) as authority. No evidence is given, and I have found none in the literature since Butler (1923). The species are easily separated by examination of the male genitalia, and I presume that the confusion only arises where identification is made without reference to these features, and therefore depends upon the experience and expertise of the worker. Such misidentification issues are widespread within the Hemiptera-Heteroptera, and are not regarded as genuine ambiguities.

VELIIDAE

*Microvelia reticulata* (Burmeister)

When Walton (1939) added *Microvelia pygmaea* (Dufour) to the British list, several British specimens were found in collections standing under the above name. Brown (1954) reports the new species as rare, and it is likely that the confusion since Butler (1923) is slight. The confusion prior to Butler's text is probably more significant, as the name *Microvelia pygmaea* was once thought to represent all British examples of this genus.

*Velia currens* (Fabricius)

Brown (1951) reported that this species was not British, and that two other species had been recorded in the British Isles under this name: *Velia caprai* Tamanini and *Velia saulii* Tamanini. Given that the above name has been replaced by two new ones, the confusion over identity is clear. However, the name will become ambiguous if the genuine *V. currens* ever becomes a British species.

## GERRIDAE

*Gerris lateralis* Schummel

Butler (1923) refers to *Gerris costae* (Herrich-Schaeffer) as *Gerris lateralis* v. *costae* H. S., whereas the genuine *G. lateralis* goes by the name *Gerris asper* Fieb. There is clearly a possibility of ambiguity in the use of the above name in old records, although I have not found a documented example of this in the literature following the publication of Butler's text.

## NOTONECTIDAE

*Notonecta glauca* Linnaeus

At one time, all four British species of *Notonecta* Linnaeus went by the above name. Butler (1923) expresses sympathy for the view that the four forms are merely varieties of a single species, and presents them in a single numbered account under the above name. However, he does give a separation for the four forms. There is an obvious possibility of ambiguity in old records for *N. glauca*.

## CORIXIDAE

*Glaenocoris* Thomson

Butler (1923) refers to animals of this genus as *Glaenocoris cavifrons* (Thomson), but Southwood & Leston (1959) employs the label *Glaenocoris propinqua* (Fieber). Masee (1955) lists the form as two subspecies, *G. p. propinqua* and *G. p. cavifrons*. Only recently have these subspecies been recognised as deserving specific rank (Ryan, 2013). Clearly, prior records for this genus are only reliable if the particular subspecies is made clear, or they are supported by authenticated specimens.

*Hesperocoris moesta* (Fieber), formerly *Corix* *moesta* Fieber and *Sigara moesta* (Fieber)

China (1933) reported that specimens standing under the above name were a mixture of this species and *Hesperocoris castanea* (Thomson). The latter species was found to be the more widely distributed form.

*Micronecta minutissima* (Linnaeus)

Prior to Walton (1938), the most widely distributed species of this genus went by the above name, but Walton showed that it was actually *Micronecta poweri* (Douglas & Scott). The true *M. minutissima* was found to be a seldom encountered species in the British Isles.

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## COMPLETING THE TROIKA OF MISTLETOE HEMIPTERA-HETEROPTERA IN WATSONIAN OXFORDSHIRE (VC23)

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Until recently, none of the three species of Hemiptera-Heteroptera associated with mistletoe, *Viscum album* L. (Santalaceae), had been recorded from Watsonian Oxfordshire (VC23). The frequent inaccessibility of their host plant, which is usually to be found out of reach, high up in the trees from which it grows, causes these species to be under-recorded, as their somewhat scattered county distributions testify (Ryan, 2014a & 2014b).

However, in 2012 I discovered a small example of accessible mistletoe growing from a young rowan, *Sorbus aucuparia* L. (Rosaceae), outside St Mary's Church, High Street, Oxford (National Grid Reference SP51570621). Regular monitoring eventually produced a specimen of one of the mistletoe bugs, *Anthocoris visci* Douglas (Anthocoridae) (Ryan, 2014c). The challenge now was to record the remaining pair of the troika, as the mistletoe (hopefully) became fully colonised.

On 4 July 2015, my continued vigilance was rewarded with three specimens of *Hypseloecus visci* (Puton) (Miridae). This species was first recorded from Britain only a decade ago (Gibbs & Nau, 2005), and has previously been reported from only six counties (Figure 1).

So, where is *Pinalitus viscicola* (Puton) (Miridae), the final member of the trio? This long-standing British species is supposedly the most likely to be recorded, having a more widespread distribution (Figure 2), and not being regarded as scarce, unlike the Notable B A. *visci* (Kirby, 1992).

This final record for Oxfordshire was soon obtained, not from St Mary's, but from Holywell Cemetery, St Cross Road, Oxford (SP52000663), where a mature growth of accessible mistletoe was found on a cherry tree, *Prunus* sp. (Rosaceae), on 15 August 2015. Among several dozen examples of *H. visci*, were beaten five specimens of *P. viscicola*. A return visit to St Mary's four days later, produced two more specimens of *H. visci*, but *P. viscicola* was not found. Clearly, St Mary's must wait a little longer to support the complete set of mistletoe Hemiptera-Heteroptera.

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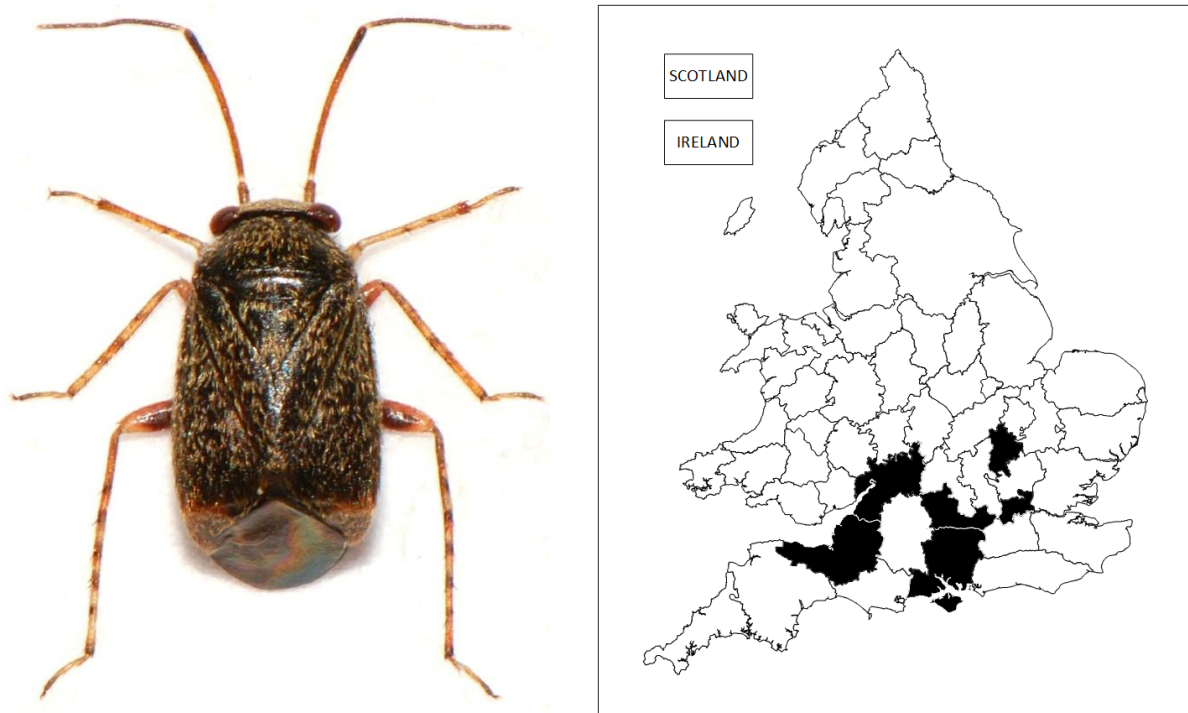


FIGURE 1. *Hypseloecus visci* and its county distribution (Ryan, 2014a & 2014b).

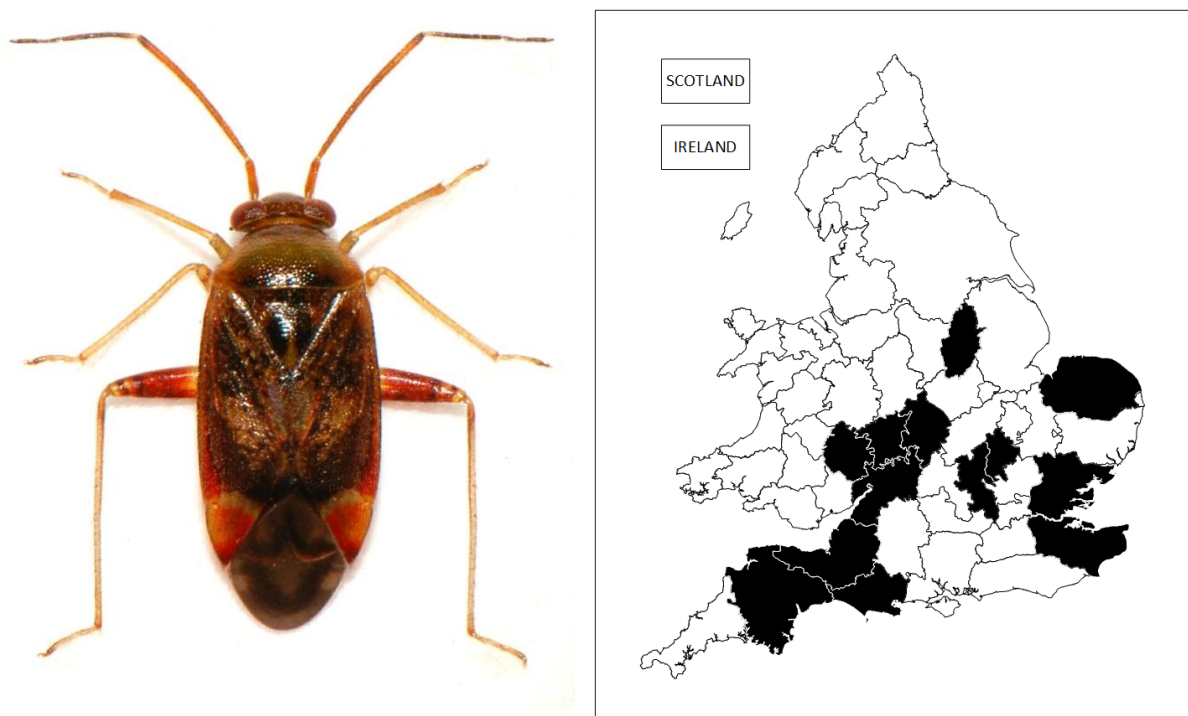


FIGURE 2. *Pinalitus viscicola* and its county distribution (Ryan, 2014a & 2014b).

**THE DIVISION OF RYAN'S LIST OF HEMIPTERA-HETEROPTERA FOR  
IRELAND INTO VICE-COUNTY LISTS FOR H1 TO H40**

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**Introduction**

The county list of Hemiptera-Heteroptera for Ireland in Ryan (2014) was compiled from that of Masee (1955) with additional records from the national entomological literature published in the six decades between these two papers. Ryan did not consider the Irish literature, in particular Halbert (1935), and did not attempt to divide the list for Ireland into separate lists for its constituent vice-counties, which are the basis of modern recording. The present paper addresses these shortcomings, adding new Irish records and dividing the Irish list into separate lists for the forty vice-counties, H1 to H40.

The vice-county records were interpreted by taking into account the name changes and confusions over identity documented in Ryan (2012, 2013, 2014, 2015, 2016a & 2016b). The advice of O'Connor & Nelson (2012) has been followed for records of *Glaenocoris* Thomson, regarding them all as *Glaenocoris propinqua* (Fieber). The resulting vice-county lists include 2573 records, compared with 316 for the original Irish list. The list for Ireland as a whole has shortened by 20, the decrease arising from two species added to the list and 22 deleted from it due to the known records being insufficiently precise to be allocated to a particular vice-county.

The lists for the Irish vice-counties, which will appear in the next edition of the county distribution, are presented in Table 1. The species that are new to Ryan's list for Ireland are marked "[+]", and the deleted species are marked "[-]". The records are represented by numbers, relating to the articles from which they were obtained, as indicated in Table 2.

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TABLE 1. The divided county records. The references relating to the numbers are listed in Table 2.

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Aradidae</b>																				
<i>Aradus depressus</i> (Fabricius)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<b>Acanthosomatidae</b>																				
<i>Acanthosoma haemorrhoidale</i> (Linnaeus)	0	0	0	.	.	0	.	.	0	.	0	0	.	.	.	0	0	.	0	0
<i>Cyphostethus tristriatus</i> (Fabricius)	.	.	.	.	.	.	.	.	.	45	.	.	.	.	51	.	.	.	.	.
<i>Elasmotethus interstinctus</i> (Linnaeus)	0	0	0	.	0	0	.	.	.	.	.	0	.	.	0	.	.	.	5	0
<i>Elasmucha grisea</i> (Linnaeus)	.	0	0	.	0	.	.	.	.	.	.	0	.	.	.	.	.	.	0	0
<b>Cydnidae</b>																				
<i>Sehirus luctuosus</i> Mulsant & Rey	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	0	.
<b>Thyreocoridae</b>																				
<i>Thyreocoris scarabaeoides</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.
<b>Scutelleridae</b>																				
<i>Eurygaster testudinaria</i> (Geoffroy)	0	14	0	.	0	0	0	.	49	.	.	0	.	.	.	.	.	.	.	0
<b>Pentatomidae</b>																				
<i>Chlorochroa juniperina</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dolycoris baccarum</i> (Linnaeus)	0	0	0	0	0	0	.	.	48	.	0	0	.	.	.	0	.	.	5	0
<i>Palomena prasina</i> (Linnaeus)	0	0	0	0	0	0	0	0	0	.	0	0	0	.	.	0	0	.	5	0
<i>Pentatoma rufipes</i> (Linnaeus)	0	0	0	0	0	0	0	.	0	0	0	.	.	.	.	0	1	.	0	0
<i>Picromerus bidens</i> (Linnaeus)	0	0	0	.	0	0	0	.	.	.	0	0	.	.	.	0	.	.	0	0
<i>Piezodorus lituratus</i> (Fabricius)	0	.	0	.	0	0	0	.	.	.	0	0	.	0	.	0	0	.	0	0
<i>Rhacognathus punctatus</i> (Linnaeus)	.	.	.	.	.	0	.	.	.	.	0	.	.	.	.	.	.	.	50	.
<i>Troilus luridus</i> (Fabricius)	0	0	.	.	.	0	0	0	0	.	.	.	.	.	0	0	0	.	.	0
<i>Zicrona caerulea</i> (Linnaeus)	44	.	.	0	.	.	.	.	.	0	0	0	0	.	0	.	.	0	.	0
<b>Coreidae</b>																				
<i>Coreus marginatus</i> (Linnaeus)	0	0	0	.	0	0	.	.	.	.	0	0	.	.	.	.	.	.	.	0
<i>Coriomeris denticulatus</i> (Scopoli) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Leptoglossus occidentalis</i> Heidemann	.	.	.	.	.	.	.	.	.	.	.	52	.	.	.	.	.	.	.	.
<b>Alydidae</b>																				
<i>Alydus calcaratus</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Rhopalidae</b>																				
<i>Corizus hyoscyami</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Liorhyssus hyalinus</i> (Fabricius)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhopalus parumpunctatus</i> Schilling [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Stenocephalidae</b>																				
<i>Dicranocephalus agilis</i> (Scopoli)	.	.	0	.	.	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<b>Lygaeidae</b>																				
<i>Acompus rufipes</i> (Wolff) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chilacis typhae</i> (Perris)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cymus claviculus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Cymus glandicolor</i> Hahn	0	0	.	.	0	0	0	0	0	.	0	0	0	.	0	0	0	.	0	0
<i>Drymus brunneus</i> (R.F. Sahlberg)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	0
<i>Drymus pilicornis</i> (Mulsant & Rey)	.	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.
<i>Drymus ryeii</i> Douglas & Scott	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Drymus sylvaticus</i> (Fabricius)	0	0	0	.	0	.	.	0	.	.	.	0	.	.	.	0	.	.	0	0
<i>Gastrodes grossipes</i> (De Geer)	0	0	.	0	0	0	.	.	.	.	.	0	.	.	.	.	.	.	0	0
<i>Heterogaster urticae</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	53	.	.	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Aradidae</b>																				
<i>Aradus depressus</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Acanthosomatidae</b>																				
<i>Acanthosoma haemorrhoidale</i> (Linnaeus)	0	0	0	.	0	.	0	0	.	.	0	.	0	.	.	.	0	0	0	0
<i>Cyphostethus tristriatus</i> (Fabricius)	34	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	51	.
<i>Elasmotethus interstinctus</i> (Linnaeus)	0	.	0	.	.	.	0	.	.	.	.	.	.	.	0	.	0	.	0	.
<i>Elasmucha grisea</i> (Linnaeus)	0	.	.	.	0	.	.	.	.	.	.	.	.	0	.	.	0	0	0	.
<b>Cydnidae</b>																				
<i>Sehirus luctuosus</i> Mulsant & Rey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Thyreocoridae</b>																				
<i>Thyreocoris scarabaeoides</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Scutelleridae</b>																				
<i>Eurygaster testudinaria</i> (Geoffroy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Pentatomidae</b>																				
<i>Chlorochroa juniperina</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dolycoris baccarum</i> (Linnaeus)	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Palomena prasina</i> (Linnaeus)	.	.	.	.	.	51	.	.	.	.	.	.	.	.	.	.	51	51	51	.
<i>Pentatoma rufipes</i> (Linnaeus)	0	.	.	.	.	.	0	0	0	.	.	.	.	.	.	.	0	1	.	.
<i>Picromerus bidens</i> (Linnaeus)	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Piezodorus lituratus</i> (Fabricius)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	0	.	0	.
<i>Rhacognathus punctatus</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	51	.	.	40	.	.	40	40
<i>Troilus luridus</i> (Fabricius)	0	.	0	.	.	.	.	.	.	.	0	.	.	.	.	.	.	0	.	.
<i>Zicrona caerulea</i> (Linnaeus)	.	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.
<b>Coreidae</b>																				
<i>Coreus marginatus</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Coriomeris denticulatus</i> (Scopoli) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Leptoglossus occidentalis</i> Heidemann	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	50	.	.
<b>Alydidae</b>																				
<i>Alydus calcaratus</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	.	.
<b>Rhopalidae</b>																				
<i>Corizus hyoscyami</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Liorhyssus hyalinus</i> (Fabricius)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.
<i>Rhopalus parumpunctatus</i> Schilling [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Stenocephalidae</b>																				
<i>Dicranocephalus agilis</i> (Scopoli)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Lygaeidae</b>																				
<i>Acompus rufipes</i> (Wolff) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chilacis typhae</i> (Perris)	0	.	.	.	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cymus claviculus</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cymus glandicolor</i> Hahn	0	.	0	.	.	.	0	.	.	.	0	.	.	.	.	.	.	0	0	.
<i>Drymus brunneus</i> (R.F. Sahlberg)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Drymus pilicornis</i> (Mulsant & Rey)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Drymus ryei</i> Douglas & Scott	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Drymus sylvaticus</i> (Fabricius)	0	54	.	.	.	.	0	.	.	.	.	.	.	0	.	.	0	0	0	.
<i>Gastrodes grossipes</i> (De Geer)	0	.	.	.	.	.	0	.	0	.	.	.	.	.	.	.	.	.	.	0
<i>Heterogaster urticae</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Lygaeidae (continued)</b>																				
<i>Ischnocoris angustulus</i> (Boheman)	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ischnodemus sabuleti</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Kleidocerys ericae</i> (Horváth)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Kleidocerys resedae</i> (Panzer)	.	0	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	0
<i>Lamproplax picea</i> (Flor)	14	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lasiosomus enervis</i> (Herrich-Schaeffer)	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrodera microptera</i> (Curtis)	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	0
<i>Megalonotus chiragra</i> (Fabricius) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Megalonotus dilatatus</i> (Herrich-Schaeffer)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Nysius thymi</i> (Wolff)	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pachybrachius fracticollis</i> (Schilling)	30	0	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Peritrechus geniculatus</i> (Hahn) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Peritrechus lundii</i> (Gmelin)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	0	.
<i>Plinthisus brevipennis</i> (Latreille)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Scolopostethus affinis</i> (Schilling)	.	0	.	0	.	0	.	.	.	.	0	0	0	.	.	.	7	.	.	.
<i>Scolopostethus decoratus</i> (Hahn)	0	0	.	.	.	0	.	.	.	.	.	.	.	.	0	0	0	.	0	0
<i>Scolopostethus grandis</i> Horváth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Scolopostethus puberulus</i> Horváth	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.	.	.	.	.
<i>Scolopostethus thomsoni</i> Reuter	0	0	.	.	.	54	.	.	0	.	28	.	.	.	.	0	.	0	0	0
<i>Stygnocoris fuliginus</i> (Geoffroy)	0	0	0	.	0	0	.	.	0	.	54	.	0	.	.	.	.	.	.	0
<i>Stygnocoris rusticus</i> (Fallén)	.	0	0	.	0	0	.	48	.	0	0	.	.	.	0	0	0	.	.	0
<i>Stygnocoris sabulosus</i> (Schilling)	0	14	0	.	0	0	.	30	.	.	0	.	.	.	0	0	.	0	0	0
<i>Taphropeltus contractus</i> (Herrich-Schaeffer)	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Trapezonotus arenarius</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Berytidae</b>																				
<i>Berytinus clavipes</i> (Fabricius)	.	.	.	.	.	.	.	46	.	.	.	.	.	.	.	.	.	.	.	.
<i>Berytinus minor</i> (Herrich-Schaeffer)	.	.	0	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Berytinus montivagus</i> (Meyer-Dür)	.	.	.	38	.	.	.	38	.	.	51	.	.	.	.	.	.	.	.	.
<i>Berytinus signoreti</i> (Fieber)	30	0	.	.	.	0	.	30	.	.	.	.	.	.	.	0	.	.	.	.
<i>Gampsocoris punctipes</i> (Germar)	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	0
<i>Metatropis rufescens</i> (Herrich-Schaeffer)	.	14	38	.	.	.	.	38	.	.	38	.	.	.	27	.	38	38	.	.
<i>Neides tipularius</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Piesmatidae</b>																				
<i>Parapiesma quadratum</i> (Fieber)	0	0	.	.	.	.	.	0	.	.	0	.	.	.	.	.	.	.	.	.
<i>Piesma maculatum</i> (Laporte)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<b>Tingidae</b>																				
<i>Acalypta brunnea</i> (Germar)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Acalypta carinata</i> (Panzer)	.	0	.	.	.	0	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Acalypta nigrina</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acalypta parvula</i> (Fallén)	14	0	.	.	.	0	.	.	.	.	.	.	.	.	0	.	.	.	.	0
<i>Derephysia foliacea</i> (Fallén)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Dictyla convergens</i> (Herrich-Schaeffer)	.	.	.	.	.	0	.	0	0	.	.	0	.	.	.	0	.	.	.	0
<i>Kalama tricornis</i> (Schränk)	.	.	.	.	.	0	.	.	0	.	.	.	.	.	0	.	.	.	.	0
<i>Tingis cardui</i> (Linnaeus)	0	0	.	.	.	.	.	0	49	.	.	54	.	9	.	.	.	.	.	0

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Lygaeidae (continued)</b>																				
<i>Ischnocoris angustulus</i> (Boheman)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ischnodemus sabuleti</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Kleidocerys ericae</i> (Horváth)	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.
<i>Kleidocerys resedae</i> (Panzer)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lamproplax picea</i> (Flor)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lasiosomus enervis</i> (Herrich-Schaeffer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrodera microptera</i> (Curtis)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Megalonotus chiragra</i> (Fabricius) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Megalonotus dilatatus</i> (Herrich-Schaeffer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Nysius thymi</i> (Wolff)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pachybrachius fracticollis</i> (Schilling)	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.	.	.	.	.
<i>Peritrechus geniculatus</i> (Hahn) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Peritrechus lundii</i> (Gmelin)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Plinthisus brevipennis</i> (Latreille)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Scolopostethus affinis</i> (Schilling)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	0	.
<i>Scolopostethus decoratus</i> (Hahn)	0	.	0	.	.	.	0	0	.	0	0	.	.	0	.	.	0	.	.	.
<i>Scolopostethus grandis</i> Horváth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.
<i>Scolopostethus puberulus</i> Horváth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.
<i>Scolopostethus thomsoni</i> Reuter	0	.	.	.	.	.	.	0	.	.	0	.	.	.	.	.	0	.	0	.
<i>Stygnocoris fuliginus</i> (Geoffroy)	0	.	.	.	.	.	0	0	.	.	.	.	.	.	.	.	0	.	.	.
<i>Stygnocoris rusticus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	0	.
<i>Stygnocoris sabulosus</i> (Schilling)	0	0	0	.	.	.	0	.	.	0	.	.	.	0	.	.	0	.	0	.
<i>Taphropeltus contractus</i> (Herrich-Schaeffer)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	0	.	0	.
<i>Trapezonotus arenarius</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Berytidae</b>																				
<i>Berytinus clavipes</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Berytinus minor</i> (Herrich-Schaeffer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.
<i>Berytinus montivagus</i> (Meyer-Dür)	37	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.
<i>Berytinus signoreti</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Gampsocoris punctipes</i> (Germar)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	.	.
<i>Metatropis rufescens</i> (Herrich-Schaeffer)	.	38	.	.	.	.	.	.	38	.	.	.	42	.	.	.	.	42	.	.
<i>Neides tipularius</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	.	.
<b>Piesmatidae</b>																				
<i>Parapiesma quadratum</i> (Fieber)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Piesma maculatum</i> (Laporte)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Tingidae</b>																				
<i>Acalypta brunnea</i> (Germar)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0	0	0	.	.	.
<i>Acalypta carinata</i> (Panzer)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	0	.
<i>Acalypta nigrina</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acalypta parvula</i> (Fallén)	0	.	.	.	.	.	0	.	.	.	.	.	.	0	0	.	0	.	0	.
<i>Derephysia foliacea</i> (Fallén)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dictyla convergens</i> (Herrich-Schaeffer)	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Kalama tricornis</i> (Schränk)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	0	.	.	.
<i>Tingis cardui</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	0	.	.	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Reduviidae</b>																				
<i>Empicoris culiciformis</i> (De Geer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Empicoris vagabundus</i> (Linnaeus)	14	.	0	.	.	0	.	.	.	.	.	.	.	41	.	.	.	.	41	.
<b>Nabidae</b>																				
<i>Himacerus boops</i> (Schjødte)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.	.	.	.	.
<i>Himacerus major</i> (A. Costa)	30	.	.	.	0	.	.	.	8	.	0	0	.	.	.	.	.	.	7	0
<i>Himacerus mirmicoides</i> (O. Costa)	0	0	0	.	0	0	0	.	48	.	0	0	.	.	.	0	7	.	.	0
<i>Nabis ericetorum</i> Scholtz	0	0	0	.	.	0	0	.	8	.	0	.	0	.	.	.	0	0	7	0
<i>Nabis ferus</i> (Linnaeus)	0	0	0	0	0	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Nabis flavomarginatus</i> Scholtz	0	0	0	0	0	0	0	0	0	.	0	0	.	.	0	0	0	31	0	0
<i>Nabis limbatus</i> Dahlbom	0	0	0	.	0	0	0	0	0	.	0	0	31	0	.	0	0	.	0	0
<i>Nabis lineatus</i> Dahlbom	39	.	0	.	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Nabis rugosus</i> (Linnaeus)	0	0	0	.	0	0	.	0	0	.	0	0	.	.	.	.	0	.	5	0
<b>Anthocoridae</b>																				
<i>Acompocoris alpinus</i> Reuter	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acompocoris pygmaeus</i> (Fallén)	.	0	.	.	.	.	.	0	.	.	.	0	.	.	.	.	0	.	0	0
<i>Anthocoris butleri</i> Le Quesne	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	16
<i>Anthocoris confusus</i> Reuter	14	0	0	.	0	0	0	.	49	.	0	0	.	.	.	.	0	.	0	0
<i>Anthocoris gallarumulmi</i> (De Geer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthocoris limbatus</i> Fieber	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.
<i>Anthocoris nemoralis</i> (Fabricius)	0	0	0	.	0	0	0	.	.	.	.	0	.	.	.	.	0	.	0	0
<i>Anthocoris nemorum</i> (Linnaeus)	0	0	0	.	0	0	0	.	30	0	.	0	.	9	.	0	.	.	5	0
<i>Anthocoris sarothamni</i> Douglas & Scott	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Anthocoris simulans</i> Reuter	51	.	51	.	.	.	.	.	51	.	.	.	.	.	.	.	.	.	.	.
<i>Dufouriellus ater</i> (Dufour)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lyctocoris campestris</i> (Fabricius)	.	0	.	.	.	0	.	.	.	.	.	0	.	.	.	.	.	.	0	0
<i>Orius laevigatus</i> (Fieber)	.	36	.	.	.	.	.	.	.	.	.	54	.	.	.	.	.	.	3	.
<i>Orius laticollis</i> (Reuter)	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.	.
<i>Orius majusculus</i> (Reuter)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.
<i>Orius niger</i> (Wolff) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Temnostethus gracilis</i> Horváth	14	14	.	.	35	.	.	.	.	.	.	35	.	.	.	35	35	.	.	35
<i>Temnostethus pusillus</i> (Herrich-Schaeffer)	.	35	.	.	.	.	.	.	.	.	.	.	.	.	35	.	.	.	.	.
<i>Temnostethus tibialis</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35	.
<i>Tetraphleps bicuspis</i> (Herrich-Schaeffer)	.	0	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	0	0
<i>Xylocoris cursitans</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Xylocoris galactinus</i> (Fieber)	.	0	.	.	.	.	.	.	.	.	.	28	.	.	.	.	.	.	.	.
<b>Cimicidae</b>																				
<i>Cimex lectularius</i> Linnaeus	.	.	.	.	.	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cimex pipistrelli</i> Jenyns	.	.	.	.	21	21	.	.	.	.	.	.	.	.	.	.	21	.	.	.
<i>Oeciacus hirundinis</i> (Lamarck)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Microphysidae</b>																				
<i>Loricula elegantula</i> (Baerensprung)	0	0	.	.	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	0
<i>Loricula exilis</i> (Fallén)	.	0	.	.	.	.	.	.	.	.	0	.	.	.	.	.	0	.	.	0
<i>Loricula inconspicua</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.
<i>Loricula pselaphiformis</i> Curtis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Reduviidae</b>																				
<i>Empicoris culiciformis</i> (De Geer)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Empicoris vagabundus</i> (Linnaeus)	41	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Nabidae</b>																				
<i>Himacerus boops</i> (Schiødte)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Himacerus major</i> (A. Costa)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Himacerus mirmicoides</i> (O. Costa)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	0
<i>Nabis ericetorum</i> Scholtz	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Nabis ferus</i> (Linnaeus)	0	54	0	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Nabis flavomarginatus</i> Scholtz	0	.	0	31	31	.	0	0	0	.	0	.	.	0	.	.	0	.	0	.
<i>Nabis limbatus</i> Dahlbom	0	0	0	31	31	.	0	0	0	31	0	.	0	.	.	.	0	.	31	0
<i>Nabis lineatus</i> Dahlbom	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Nabis rugosus</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	0	.	.	.
<b>Anthocoridae</b>																				
<i>Acompocoris alpinus</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acompocoris pygmaeus</i> (Fallén)	0	.	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	0	.	.
<i>Anthocoris butleri</i> Le Quesne	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthocoris confusus</i> Reuter	0	0	.	.	.	.	0	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthocoris gallarumulmi</i> (De Geer)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthocoris limbatus</i> Fieber	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	.	.
<i>Anthocoris nemoralis</i> (Fabricius)	0	0	.	.	.	.	0	0	.	.	0	.	.	0	0	.	0	.	.	0
<i>Anthocoris nemorum</i> (Linnaeus)	0	0	.	.	.	.	0	0	0	.	0	.	.	0	0	.	0	0	.	.
<i>Anthocoris sarothamni</i> Douglas & Scott	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthocoris simulans</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dufouriellus ater</i> (Dufour)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.
<i>Lyctocoris campestris</i> (Fabricius)	0	.	.	.	.	.	0	.	.	.	.	.	.	0	.	.	.	0	.	.
<i>Orius laevigatus</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orius laticollis</i> (Reuter)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orius majusculus</i> (Reuter)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
<i>Orius niger</i> (Wolff) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Temnostethus gracilis</i> Horváth	35	.	.	.	.	.	35	35	35	.	.	.	.	.	.	.	.	35	35	.
<i>Temnostethus pusillus</i> (Herrich-Schaeffer)	.	.	.	.	.	.	.	.	.	.	35	.	.	.	.	.	.	.	.	.
<i>Temnostethus tibialis</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tetraphleps bicuspis</i> (Herrich-Schaeffer)	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Xylocoris cursitans</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Xylocoris galactinus</i> (Fieber)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Cimicidae</b>																				
<i>Cimex lectularius</i> Linnaeus	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	0	.
<i>Cimex pipistrelli</i> Jenyns	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.
<i>Oeciacus hirundinis</i> (Lamarck)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.
<b>Microphysidae</b>																				
<i>Loricula elegantula</i> (Baerensprung)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.
<i>Loricula exilis</i> (Fallén)	0	0	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Loricula inconspicua</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Loricula pselaphiformis</i> Curtis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Miridae</b>																				
<i>Acetropis gimmerthalii</i> (Flor)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Adelphocoris lineolatus</i> (Goeze)	0	0	.	.	.	.	.	.	30	.	0	.	.	.	.	0	.	.	.	0
<i>Adelphocoris seticornis</i> (Fabricius)	.	.	.	.	0	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.
<i>Apolygus lucorum</i> (Meyer-Dür)	0	0	.	.	0	0	0	.	.	.	0	.	.	.	.	.	.	.	.	0
<i>Apolygus spinolae</i> (Meyer-Dür)	14	0	.	.	0	.	0	.	48	.	.	0	.	.	.	.	.	.	7	0
<i>Asciodema obsoleta</i> (Fieber)	0	0	.	.	0	0	0	0	.	.	.	0	.	.	.	0	0	.	7	0
<i>Atractotomus magnicornis</i> (Fallén)	.	0	.	.	.	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.
<i>Blepharidopterus angulatus</i> (Fallén)	0	0	0	.	0	0	0	0	0	.	.	0	.	.	.	.	.	.	0	0
<i>Bothynotus pilosus</i> (Boheman)	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.	.
<i>Bryocoris pteridis</i> (Fallén)	14	0	30	.	.	0	.	.	7	.	.	.	.	.	.	.	.	.	.	0
<i>Calocoris roseomaculatus</i> (De Geer)	0	0	0	0	0	0	0	0	.	.	.	0	.	0	0	0	0	.	.	0
<i>Camptozygum aequale</i> (Villers)	.	0	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Campyloneura virgula</i> (Herrich-Schaeffer)	0	0	0	.	0	0	0	.	.	.	.	0	.	.	0	0	.	.	7	0
<i>Capsodes flavomarginatus</i> (Donovan) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Capsus ater</i> (Linnaeus)	0	0	0	.	0	0	0	0	0	.	0	0	.	.	0	.	0	.	.	0
<i>Charagochilus gyllenhalii</i> (Fallén)	30	0	.	.	.	0	0	.	30	.	.	.	.	.	0	.	.	.	.	0
<i>Chlamydatus pullus</i> (Reuter) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Closterotomus fulvomaculatus</i> (De Geer) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Closterotomus norwegicus</i> (Gmelin)	0	0	0	54	0	0	0	.	7	.	0	0	.	.	.	0	0	.	0	0
<i>Compsidolon salicellum</i> (Herrich-Schaeffer)	.	30	.	.	0	0	.	.	7	.	.	.	.	.	0	0	.	.	.	0
<i>Conostethus brevis</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Conostethus griseus</i> Douglas & Scott [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cyllocoris histrionius</i> (Linnaeus)	0	0	0	.	.	0	0	0	0	.	.	0	.	.	0	.	0	.	.	0
<i>Cyrtorhinus caricis</i> (Fallén)	.	0	.	.	0	0	0	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Deraeocoris ruber</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Deraeocoris scutellaris</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.
<i>Dichroscytus rufipennis</i> (Fallén)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus constrictus</i> (Boheman)	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus epilobii</i> Reuter	.	.	.	.	0	0	0	.	.	.	.	0	.	9	.	.	.	.	0	0
<i>Dicyphus errans</i> (Wolff)	.	.	0	.	.	.	.	.	.	.	.	28	.	.	.	.	.	.	.	.
<i>Dicyphus pallicornis</i> (Fieber)	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Dicyphus stachydis</i> J. Sahlberg	.	.	.	.	.	0	.	.	0	.	.	.	.	.	.	.	0	.	0	0
<i>Dryophilocoris flavoquadrinaculatus</i> (De Geer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Fieberocapsus flaveolus</i> (Reuter)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Globiceps flavomaculatus</i> (Fabricius)	.	0	0	.	0	0	0	.	.	.	0	.	.	.	0	0	.	.	.	.
<i>Globiceps fulvicollis</i> Jakovlev	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.	.
<i>Grypocoris stysi</i> (Wagner)	0	0	.	.	.	0	0	0	0	.	0	0	.	.	.	.	0	.	7	0
<i>Hallodapus rufescens</i> (Burmeister)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	51	0	.	.	.
<i>Harpocera thoracica</i> (Fallén)	.	0	0	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Heterocordylus tibialis</i> (Hahn)	0	0	.	.	.	0	.	.	49	.	0	0	.	.	0	.	.	.	.	0
<i>Heterotoma planicornis</i> (Pallas)	0	.	0	.	0	0	0	0	0	.	0	0	0	.	.	.	.	.	.	.
<i>Leptopterna dolabrata</i> (Linnaeus)	14	.	.	.	.	0	.	.	.	.	.	28	.	9	.	.	7	.	5	.
<i>Leptopterna ferrugata</i> (Fallén)	0	0	.	.	0	0	0	.	.	.	.	.	.	.	0	.	0	.	.	0



TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Miridae</b>																				
<i>Acetropis gimmerthalii</i> (Flor)	.	.	.	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Adelphocoris lineolatus</i> (Goeze)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Adelphocoris seticornis</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Apolygus lucorum</i> (Meyer-Dür)	0	.	.	.	.	.	.	.	0	.	0	.	.	.	.	.	.	.	.	.
<i>Apolygus spinolae</i> (Meyer-Dür)	0	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.
<i>Asciodema obsoleta</i> (Fieber)	0	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Atractotomus magnicornis</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Blepharidopterus angulatus</i> (Fallén)	0	9	0	.	.	.	0	.	.	.	.	.	.	0	.	.	0	0	0	.
<i>Bothynotus pilosus</i> (Boheman)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Bryocoris pteridis</i> (Fallén)	0	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Calocoris roseomaculatus</i> (De Geer)	0	.	0	.	.	.	0	0	.	.	0	.	.	.	.	.	0	.	0	.
<i>Camptozygum aequale</i> (Villers)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Campyloneura virgula</i> (Herrich-Schaeffer)	0	.	.	.	.	.	0	.	.	.	0	.	.	.	.	.	0	0	.	.
<i>Capsodes flavomarginatus</i> (Donovan) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Capsus ater</i> (Linnaeus)	0	.	.	.	.	.	0	0	0	.	0	1	.	0	.	.	0	0	0	0
<i>Charagochilus gyllenhalii</i> (Fallén)	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chlamydatus pullus</i> (Reuter) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Closterotomus fulvomaculatus</i> (De Geer) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Closterotomus norwegicus</i> (Gmelin)	0	0	0	.	.	.	0	0	0	.	0	.	0	0	0	.	0	0	0	0
<i>Compsidolon salicellum</i> (Herrich-Schaeffer)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Conostethus brevis</i> Reuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	18	.	.
<i>Conostethus griseus</i> Douglas & Scott [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cyllocoris histrionius</i> (Linnaeus)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	0	0	.
<i>Cyrtorhinus caricis</i> (Fallén)	0	0	.	.	.	.	0	0	.	.	0	.	.	0	0	.	0	0	0	.
<i>Deraeocoris ruber</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Deraeocoris scutellaris</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dichroscytus rufipennis</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus constrictus</i> (Boheman)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus epilobii</i> Reuter	0	9	.	.	.	.	0	.	.	.	0	.	.	.	.	.	.	.	.	.
<i>Dicyphus errans</i> (Wolff)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus pallicornis</i> (Fieber)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dicyphus stachydis</i> J. Sahlberg	0	.	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dryophilocoris flavoquadrimaculatus</i> (De Geer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Fieberocapsus flaveolus</i> (Reuter)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.
<i>Globiceps flavomaculatus</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	0	.
<i>Globiceps fulvicollis</i> Jakovlev	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Grypocoris stysi</i> (Wagner)	0	.	0	.	.	.	0	0	0	.	.	.	.	.	.	.	0	0	0	.
<i>Hallodapus rufescens</i> (Burmeister)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Harpocera thoracica</i> (Fallén)	0	.	.	.	.	.	0	.	.	.	.	.	.	0	.	.	.	0	.	.
<i>Heterocordylus tibialis</i> (Hahn)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Heterotoma planicornis</i> (Pallas)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Leptopterna dolabrata</i> (Linnaeus)	.	.	.	.	.	.	.	0	0	.	.	.	.	.	.	.	.	.	.	.
<i>Leptopterna ferrugata</i> (Fallén)	0	.	0	.	.	.	0	0	.	.	.	.	0	0	0	.	0	0	0	0

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Miridae (continued)</b>																				
<i>Liocoris tripustulatus</i> (Fabricius)	0	0	.	.	0	0	.	0	0	.	0	0	0	.	.	.	0	.	0	0
<i>Lopus decolor</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46
<i>Lygocoris pabulinus</i> (Linnaeus)	0	0	0	.	0	0	0	0	0	.	.	0	.	.	.	.	0	.	0	0
<i>Lygocoris rugicollis</i> (Fallén)	0	.	0	.	.	.	0	.	.	.	.	0	.	.	.	.	0	.	.	0
<i>Lygus maritimus</i> Wagner	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	25	.	25	.	.
<i>Lygus punctatus</i> (Zetterstedt) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lygus rugulipennis</i> Poppius	14	.	.	54	.	54	.	.	30	.	.	28	.	.	.	.	.	.	5	.
<i>Lygus wagneri</i> Remane	14	14	30	.	.	.	.	.	30	.	.	.	.	.	.	.	.	.	.	.
<i>Macrolophus pygmaeus</i> (Rambur) [+]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	51
<i>Macrolophus rubi</i> Woodroffe	.	.	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrotylus paykullii</i> (Fallén)	.	.	.	.	.	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Malacocoris chlorizans</i> (Panzer)	14	0	.	.	0	0	.	30	.	.	.	.	.	.	0	0	.	.	.	0
<i>Mecomma ambulans</i> (Fallén)	0	0	.	0	0	0	0	0	0	.	0	0	.	.	0	.	0	.	0	0
<i>Mecomma dispar</i> (Boheman)	.	.	.	.	0	.	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Megaloceroea recticornis</i> (Geoffroy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Megalocoleus molliculus</i> (Fallén)	.	0	.	.	.	0	0	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Miris striatus</i> (Linnaeus)	.	0	.	.	.	.	.	.	.	.	.	0	.	.	0	.	.	.	.	0
<i>Monalocoris filicis</i> (Linnaeus)	0	0	.	.	0	0	0	0	0	.	0	0	.	.	0	.	.	.	.	0
<i>Neolygus contaminatus</i> (Fallén)	0	0	.	.	.	0	0	0	0	.	0	0	.	.	.	0	0	.	0	0
<i>Neolygus viridis</i> (Fallén)	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	0
<i>Notostira erratica</i> (Linnaeus)	.	.	.	.	0	46	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Orthocephalus coriaceus</i> (Fabricius)	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthocephalus saltator</i> (Hahn)	0	0	.	.	0	0	0	.	0	.	0	0	.	.	0	.	.	.	0	0
<i>Orthonotus rufifrons</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops basalis</i> (A. Costa)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops campestris</i> (Linnaeus)	14	14	.	.	.	.	.	.	30	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops kalmii</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus adenocarpus</i> (Perris)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus bilineatus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus concolor</i> (Kirschbaum)	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus ericetorum</i> (Fallén)	14	0	.	.	0	.	.	30	.	.	.	.	.	.	0	.	.	7	0	0
<i>Orthotylus flavinervis</i> (Kirschbaum)	.	.	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus flavosparsus</i> (C.R. Sahlberg)	30	0	.	.	0	0	.	.	.	.	0	.	.	.	.	.	.	.	.	0
<i>Orthotylus marginalis</i> Reuter	0	0	0	.	0	0	0	0	0	.	0	0	.	.	0	.	0	.	0	0
<i>Orthotylus nassatus</i> (Fabricius)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus ochrotrichus</i> Fieber	0	0	.	.	0	0	0	.	.	.	0	.	.	.	.	.	.	.	.	0
<i>Orthotylus prasinus</i> (Fallén)	0	.	.	.	.	.	.	45	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus tenellus</i> (Fallén)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	0	.	.	.	.
<i>Orthotylus virescens</i> (Douglas & Scott)	0	.	.	0	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	0
<i>Orthotylus viridinervis</i> (Kirschbaum)	.	0	.	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.
<i>Pachytomella parallela</i> (Meyer-Dür)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pantilius tunicatus</i> (Fabricius)	14	0	.	.	0	.	.	48	.	0	.	.	.	.	.	.	.	.	.	0
<i>Phylus coryli</i> (Linnaeus)	.	0	0	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	0
<i>Phylus melanocephalus</i> (Linnaeus)	0	.	0	.	.	.	0	.	.	.	.	.	.	.	0	.	.	.	.	0

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Miridae (continued)</b>																				
<i>Liocoris tripustulatus</i> (Fabricius)	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	0	0	0	.
<i>Lopus decolor</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lygocoris pabulinus</i> (Linnaeus)	0	.	0	.	.	.	0	0	0	.	0	0	.	0	0	.	0	0	0	.
<i>Lygocoris rugicollis</i> (Fallén)	0	.	.	.	.	.	0	0	0	.	.	.	.	.	0	.	.	.	.	.
<i>Lygus maritimus</i> Wagner	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	25	.
<i>Lygus punctatus</i> (Zetterstedt) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lygus rugulipennis</i> Poppius	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lygus wagneri</i> Remane	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrolophus pygmaeus</i> (Rambur) [+]	.	.	.	.	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrolophus rubi</i> Woodroffe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	50	50	.	.
<i>Macrotylus paykullii</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Malacocoris chlorizans</i> (Panzer)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mecomma ambulans</i> (Fallén)	0	.	0	.	.	.	0	0	0	.	0	.	.	0	.	.	0	.	0	.
<i>Mecomma dispar</i> (Boheman)	0	.	.	.	.	.	0	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Megaloceroea recticornis</i> (Geoffroy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	51	.
<i>Megalocoleus molliculus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Miris striatus</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Monalocoris filicis</i> (Linnaeus)	.	.	.	.	.	.	0	0	0	0	0	.	.	0	0	.	.	0	.	.
<i>Neolygus contaminatus</i> (Fallén)	0	.	0	.	.	.	.	0	0	.	.	.	.	.	.	.	0	.	0	.
<i>Neolygus viridis</i> (Fallén)	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	1	.
<i>Notostira erratica</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthocephalus coriaceus</i> (Fabricius)	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthocephalus saltator</i> (Hahn)	0	.	.	.	.	.	0	.	.	.	0	.	.	.	.	.	.	51	.	.
<i>Orthonotus rufifrons</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops basalis</i> (A. Costa)	.	.	25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops campestris</i> (Linnaeus)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthops kalmii</i> (Linnaeus) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus adenocarpi</i> (Perris)	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus bilineatus</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.
<i>Orthotylus concolor</i> (Kirschbaum)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus ericetorum</i> (Fallén)	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus flavinervis</i> (Kirschbaum)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus flavosparsus</i> (C.R. Sahlberg)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	.	.
<i>Orthotylus marginalis</i> Reuter	0	.	0	.	.	.	0	0	0	.	0	.	.	0	0	.	.	.	0	.
<i>Orthotylus nassatus</i> (Fabricius)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus ochrotrichus</i> Fieber	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.
<i>Orthotylus prasinus</i> (Fallén)	.	.	.	.	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus tenellus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orthotylus virescens</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Orthotylus viridinervis</i> (Kirschbaum)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pachytomella parallela</i> (Meyer-Dür)	0	.	.	.	.	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pantilius tunicatus</i> (Fabricius)	0	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	.
<i>Phylus coryli</i> (Linnaeus)	0	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.
<i>Phylus melanocephalus</i> (Linnaeus)	.	.	.	.	.	.	0	0	0	.	.	.	.	0	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Miridae (continued)</b>																				
<i>Phytocoris dimidiatus</i> Kirschbaum	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Phytocoris longipennis</i> Flor	.	0	.	.	0	0	0	.	.	.	.	.	.	.	0	.	0	.	0	0
<i>Phytocoris populi</i> (Linnaeus)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	0
<i>Phytocoris reuteri</i> Saunders	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Phytocoris tiliae</i> (Fabricius)	.	0	0	.	0	.	.	.	.	.	.	.	.	.	.	.	0	.	0	0
<i>Phytocoris ulmi</i> (Linnaeus)	.	0	.	.	.	0	0	.	0	.	.	.	.	.	.	.	.	.	7	.
<i>Phytocoris varipes</i> Boheman	0	0	0	.	0	0	.	.	30	.	0	0	.	.	.	.	.	.	.	0
<i>Pinalitus atomarius</i> (Meyer-Dür)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Pinalitus cervinus</i> (Herrich-Schaeffer)	0	0	0	.	0	0	.	.	7	.	.	0	.	.	0	.	0	.	.	0
<i>Pinalitus rubricatus</i> (Fallén)	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	0
<i>Pithanus maerkelii</i> (Herrich-Schaeffer)	0	0	0	54	0	0	0	0	0	0	0	0	.	.	0	0	0	.	0	0
<i>Plagiognathus arbustorum</i> (Fabricius)	0	0	0	54	0	0	0	0	0	.	0	0	.	9	.	.	0	.	0	0
<i>Plagiognathus chrysanthemi</i> (Wolff)	0	0	0	.	0	0	0	0	0	.	0	0	.	.	0	.	0	.	0	0
<i>Platycranus bicolor</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Plesiodema pinetella</i> (Zetterstedt)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polymerus nigrita</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.
<i>Polymerus palustris</i> (Reuter)	.	0	.	.	0	0	0	0	0	0	.	0	.	.	.	.	.	.	.	0
<i>Polymerus unifasciatus</i> (Fabricius) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallodema fieberi</i> (Fieber)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus ambiguus</i> (Fallén)	0	0	0	.	0	0	.	0	0	.	.	0	.	.	.	.	0	.	.	0
<i>Psallus betuleti</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus confusus</i> Rieger	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	23	.	.	.	.
<i>Psallus falleni</i> Reuter	14	0	.	.	.	0	0	.	.	.	.	0	.	.	.	.	0	.	7	0
<i>Psallus flavellus</i> Stichel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus haematodes</i> (Gmelin)	0	0	.	.	.	.	.	.	.	.	.	0	.	.	0	0	0	.	.	0
<i>Psallus lepidus</i> Fieber	0	0	.	.	0	0	.	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Psallus mollis</i> (Mulsant & Rey) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus perrisi</i> (Mulsant & Rey)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3
<i>Psallus quercus</i> (Kirschbaum) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus salicis</i> (Kirschbaum)	0	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus variabilis</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus varians</i> (Herrich-Schaeffer)	0	0	0	.	0	0	0	0	0	.	.	0	.	.	.	0	.	.	.	0
<i>Psallus wagneri</i> Ossiannilsson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhabdomiris striatellus</i> (Fabricius)	0	0	0	.	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	0
<i>Stenodema calcarata</i> (Fallén)	0	0	0	.	0	0	0	0	30	.	0	0	.	.	0	0	.	.	0	0
<i>Stenodema holsata</i> (Fabricius)	14	0	30	.	.	0	0	.	7	.	0	0	.	.	0	0	.	.	0	0
<i>Stenodema laevigata</i> (Linnaeus)	0	0	0	0	.	0	0	.	30	0	.	0	.	.	0	0	0	.	0	0
<i>Stenotus binotatus</i> (Fabricius)	0	0	0	0	0	0	0	0	0	.	0	0	.	.	.	.	0	.	7	0
<i>Teratocoris saundersi</i> Douglas & Scott	0	0	.	.	0	0	0	.	.	0	0	0	.	.	0	0	0	.	.	0
<i>Teratocoris viridis</i> Douglas & Scott [+]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Trigonotylus ruficornis</i> (Geoffroy)	.	.	.	.	.	.	.	.	.	.	.	54	.	.	.	.	.	.	.	.
<i>Tytthus pubescens</i> (Knight)	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	25	.	.	.	.
<i>Tytthus pygmaeus</i> (Zetterstedt)	.	.	.	54	.	54	.	.	.	.	.	0	.	.	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Miridae (continued)</b>																				
<i>Phytocoris dimidiatus</i> Kirschbaum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Phytocoris longipennis</i> Flor	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Phytocoris populi</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	0	.
<i>Phytocoris reuteri</i> Saunders	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.	.
<i>Phytocoris tiliae</i> (Fabricius)	0	0	.	.	.	.	.	.	.	.	0	.	.	.	.	.	0	.	.	.
<i>Phytocoris ulmi</i> (Linnaeus)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Phytocoris varipes</i> Boheman	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinalitus atomarius</i> (Meyer-Dür)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinalitus cervinus</i> (Herrich-Schaeffer)	0	0	0	.	.	.	0	0	.	.	0	.	.	0	.	.	0	.	.	.
<i>Pinalitus rubricatus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pithanus maerkelii</i> (Herrich-Schaeffer)	0	54	0	.	.	.	0	0	0	.	0	.	.	0	.	.	0	.	.	.
<i>Plagiognathus arbustorum</i> (Fabricius)	0	54	0	.	.	.	0	0	0	.	0	.	.	0	0	.	0	0	0	0
<i>Plagiognathus chrysanthemi</i> (Wolff)	0	.	0	.	.	.	.	0	0	.	0	.	.	0	.	.	0	0	0	0
<i>Platycranus bicolor</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.
<i>Plesiodema pinetella</i> (Zetterstedt)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.
<i>Polymerus nigrita</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polymerus palustris</i> (Reuter)	0	.	.	.	.	.	0	.	0	.	.	.	.	.	.	.	.	0	.	.
<i>Polymerus unifasciatus</i> (Fabricius) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallodema fieberi</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus ambiguus</i> (Fallén)	0	.	.	.	.	.	0	0	0	.	.	.	.	.	0	.	.	.	0	.
<i>Psallus betuleti</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus confusus</i> Rieger	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus falleni</i> Reuter	0	.	0	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Psallus flavellus</i> Stichel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.	.
<i>Psallus haematodes</i> (Gmelin)	0	.	0	.	.	.	0	.	.	.	0	.	.	0	.	.	0	.	0	0
<i>Psallus lepidus</i> Fieber	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0	.	.	.	.	.
<i>Psallus mollis</i> (Mulsant & Rey) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus perrisi</i> (Mulsant & Rey)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus quercus</i> (Kirschbaum) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus salicis</i> (Kirschbaum)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus variabilis</i> (Fallén) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Psallus varians</i> (Herrich-Schaeffer)	0	.	0	.	.	.	0	0	0	.	.	.	.	0	.	.	0	.	.	.
<i>Psallus wagneri</i> Ossiannilsson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	.
<i>Rhabdomiris striatellus</i> (Fabricius)	0	.	.	.	.	.	0	.	.	.	.	.	.	0	.	.	0	.	0	.
<i>Stenodema calcarata</i> (Fallén)	0	54	0	.	.	.	0	0	.	.	0	.	.	.	.	.	0	.	.	.
<i>Stenodema holsata</i> (Fabricius)	0	.	0	.	.	.	0	0	0	.	.	.	0	0	.	.	0	.	0	.
<i>Stenodema laevigata</i> (Linnaeus)	0	0	0	.	.	.	0	0	0	.	0	.	0	0	.	.	0	1	.	.
<i>Stenotus binotatus</i> (Fabricius)	0	.	0	.	.	.	0	0	0	.	.	.	.	.	.	.	0	.	.	.
<i>Teratocoris saundersi</i> Douglas & Scott	0	0	.	.	.	.	0	0	0	.	0	.	.	.	.	.	.	.	0	.
<i>Teratocoris viridis</i> Douglas & Scott [+]	.	.	.	.	.	.	.	0	0	.	.	.	.	0	.	.	.	.	.	.
<i>Trigonotylus ruficornis</i> (Geoffroy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tytthus pubescens</i> (Knight)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.	.
<i>Tytthus pygmaeus</i> (Zetterstedt)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Ceratocombidae</b>																				
<i>Ceratocombus coleoptratus</i> (Zetterstedt)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Dipsocoridae</b>																				
<i>Cryptostemma alienum</i> Herrich-Schaeffer	14	0	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
<i>Pachycoleus waltli</i> Fieber	14	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Saldidae</b>																				
<i>Chartoscirta cincta</i> (Herrich-Schaeffer)	0	.	.	.	0	.	.	.	48	.	.	0	0	.	.	0	.	.	0	0
<i>Chartoscirta elegantula</i> (Fallén)	.	0	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.
<i>Chiloxanthus pilosus</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Halosalda lateralis</i> (Fallén)	.	.	.	.	.	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0
<i>Macrosaldula scotica</i> (Curtis)	0	0	0	.	.	0	.	0	0	.	.	.	.	.	.	.	.	.	.	0
<i>Salda littoralis</i> (Linnaeus)	0	0	0	.	.	0	.	0	0	.	.	0	.	.	0	0	.	.	.	0
<i>Salda morio</i> Zetterstedt	.	.	.	.	.	.	.	.	23	.	.	.	.	.	.	23	.	.	.	.
<i>Salda muelleri</i> (Gmelin) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula connemarae</i> Walton	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	.	.	.	.
<i>Saldula opacula</i> (Zetterstedt)	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula orthochila</i> (Fieber)	.	.	.	.	.	.	.	.	.	54	.	28	.	.	.	0	.	.	0	0
<i>Saldula palustris</i> (Douglas)	30	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula pilosella</i> (Thomson)	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula saltatoria</i> (Linnaeus)	0	0	0	54	0	0	.	.	48	.	54	0	0	.	.	0	.	.	.	0
<b>Aepophilidae</b>																				
<i>Aepophilus bonnairei</i> Signoret	.	.	0	.	.	0	.	.	.	.	.	.	.	.	0	.	.	.	.	.
<b>Mesoveliidae</b>																				
<i>Mesovelia furcata</i> Mulsant & Rey	25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Hebridae</b>																				
<i>Hebrus ruficeps</i> Thomson	.	0	.	.	.	.	.	.	0	.	.	.	.	0	.	.	.	.	.	0
<b>Hydrometridae</b>																				
<i>Hydrometra gracilentia</i> Horváth	.	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hydrometra stagnorum</i> (Linnaeus)	0	0	0	.	.	0	.	0	26	.	.	0	.	.	0	.	.	.	.	0
<b>Veliidae</b>																				
<i>Microvelia pygmaea</i> (Dufour)	50	.	13	.	13	.	.	51	45	.	.	.	.	.	.	.	.	.	.	.
<i>Microvelia reticulata</i> (Burmeister)	0	0	29	0	.	.	.	.	26	.	.	0	.	.	0	.	.	.	0	.
<i>Velia caprai</i> Tamanini	12	14	30	.	.	.	.	.	48	.	.	.	.	.	.	.	.	.	.	.
<i>Velia saulii</i> Tamanini	14	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	19
<b>Gerridae</b>																				
<i>Aquarius najas</i> (De Geer)	0	0	.	.	.	.	.	.	0	.	.	0	.	.	0	.	.	.	.	0
<i>Gerris argentatus</i> Schummel	0	.	.	.	.	.	.	0	26	.	.	.	.	.	.	0	.	.	.	.
<i>Gerris costae</i> (Herrich-Schaeffer)	.	.	.	.	.	.	.	.	26	.	.	.	.	.	.	0	.	.	.	0
<i>Gerris lacustris</i> (Linnaeus)	0	0	0	.	.	.	.	0	48	.	.	.	.	.	.	.	.	.	0	0
<i>Gerris lateralis</i> Schummel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Gerris odontogaster</i> (Zetterstedt)	0	0	29	.	.	.	.	.	26	.	.	.	.	.	0	.	.	.	.	0
<i>Gerris thoracicus</i> Schummel	0	0	29	.	.	0	.	.	26	.	.	0	.	.	.	.	0	.	.	0
<i>Limnopus rufoscutellatus</i> (Latreille)	.	0	.	.	.	.	.	.	26	.	.	.	.	.	.	.	.	46	.	.

TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Ceratocombidae</b>																				
<i>Ceratocombus coleoptratus</i> (Zetterstedt)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Dipsocoridae</b>																				
<i>Cryptostemma alienum</i> Herrich-Schaeffer	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.
<i>Pachycoleus waltli</i> Fieber	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	51	.	.	.
<b>Saldidae</b>																				
<i>Chartoscirta cincta</i> (Herrich-Schaeffer)	0	0	.	.	0	.	0	.	0	.	0	.	.	0	.	.	0	.	0	.
<i>Chartoscirta elegantula</i> (Fallén)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chiloxanthus pilosus</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Halosalda lateralis</i> (Fallén)	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Macrosaldula scotica</i> (Curtis)	0	.	.	.	.	.	0	0	.	.	.	.	.	.	.	.	.	0	.	.
<i>Salda littoralis</i> (Linnaeus)	0	.	0	.	.	.	0	0	0	.	.	.	.	0	.	.	0	0	0	.
<i>Salda morio</i> Zetterstedt	.	.	.	.	23	.	.	23	.	.	.	.	.	.	.	.	.	.	.	.
<i>Salda muelleri</i> (Gmelin) [-]	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula connemarae</i> Walton	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula opacula</i> (Zetterstedt)	4	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	4	.	.	.
<i>Saldula orthochila</i> (Fieber)	0	0	0	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	.	.
<i>Saldula palustris</i> (Douglas)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula pilosella</i> (Thomson)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saldula saltatoria</i> (Linnaeus)	0	.	0	.	.	.	0	0	0	.	.	.	.	0	0	.	0	0	0	.
<b>Aepophilidae</b>																				
<i>Aepophilus bonnairei</i> Signoret	0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Mesoveliidae</b>																				
<i>Mesovelia furcata</i> Mulsant & Rey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Hebridae</b>																				
<i>Hebrus ruficeps</i> Thomson	0	.	.	.	.	.	.	.	.	.	.	0	32	.	.	.	51	32	.	.
<b>Hydrometridae</b>																				
<i>Hydrometra gracilentia</i> Horváth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hydrometra stagnorum</i> (Linnaeus)	0	.	.	.	.	.	0	.	.	.	.	.	32	.	0	32	0	1	1	32
<b>Veliidae</b>																				
<i>Microvelia pygmaea</i> (Dufour)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Microvelia reticulata</i> (Burmeister)	0	.	0	.	.	.	0	0	.	.	.	.	0	.	.	32	0	0	0	0
<i>Velia caprai</i> Tamanini	.	.	.	.	.	.	.	55	.	.	.	.	32	.	55	32	32	32	32	32
<i>Velia saulii</i> Tamanini	.	.	37	.	.	.	.	.	.	.	.	.	.	.	.	.	19	.	.	.
<b>Gerridae</b>																				
<i>Aquarius najas</i> (De Geer)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	0	0	.	.
<i>Gerris argentatus</i> Schummel	0	.	.	.	.	.	.	.	.	.	.	.	32	.	.	32	0	0	.	.
<i>Gerris costae</i> (Herrich-Schaeffer)	0	.	.	.	.	.	0	0	.	.	.	.	32	0	0	32	0	32	32	32
<i>Gerris lacustris</i> (Linnaeus)	0	.	.	.	.	.	0	0	1	.	.	.	32	0	0	32	0	32	0	0
<i>Gerris lateralis</i> Schummel	37	.	.	.	.	.	.	.	.	.	.	.	32	.	.	32	32	32	.	.
<i>Gerris odontogaster</i> (Zetterstedt)	0	.	.	.	.	.	0	0	.	.	.	.	32	.	.	32	0	0	0	0
<i>Gerris thoracicus</i> Schummel	0	.	.	.	.	.	0	.	.	.	.	.	32	0	0	.	32	32	0	32
<i>Limnopus rufoscutellatus</i> (Latreille)	.	.	.	.	46	.	.	.	.	.	.	.	19	.	43	19	19	.	32	.

TABLE 1 (CONTINUED).

	H1 - South Kerry	H2 - North Kerry	H3 - West Cork	H4 - Mid-Cork	H5 - East Cork	H6 - Waterford	H7 - South Tipperary	H8 - Limerick	H9 - Clare	H10 - North Tipperary	H11 - Kilkenny	H12 - Wexford	H13 - Carlow	H14 - Laois	H15 - South-east Galway	H16 - West Galway	H17 - North-east Galway	H18 - Offaly	H19 - Kildare	H20 - Wicklow
<b>Nepidae</b>																				
<i>Nepa cinerea</i> Linnaeus	0	0	0	0	.	.	2	0	0	.	0	.	.	.	.	0	0	.	.	0
<b>Aphelocheiridae</b>																				
<i>Aphelocheirus aestivalis</i> (Fabricius)	.	.	.	.	.	.	0	.	11	.	.	.	.	0	.	.	.	.	0	.
<b>Notonectidae</b>																				
<i>Notonecta glauca</i> Linnaeus	0	0	2	0	0	.	2	2	48	.	2	0	.	0	2	0	2	.	.	0
<i>Notonecta maculata</i> Fabricius	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Notonecta obliqua</i> Thunberg	0	0	2	.	.	.	.	48	.	.	0	.	.	.	0	.	.	.	.	0
<i>Notonecta viridis</i> Delcourt	.	2	29	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.
<b>Pleidae</b>																				
<i>Plea minutissima</i> Leach	12	0	29	0	0	2	.	.	.	.	.	0	.	.	.	0	.	.	.	0
<b>Corixidae</b>																				
<i>Arctocorisa carinata</i> (C.R. Sahlberg)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	55	.	.	.	25	.
<i>Arctocorisa germari</i> (Fieber)	2	0	.	.	.	.	.	48	2	.	.	.	.	.	0	2	.	.	.	.
<i>Callicorixa praeusta</i> (Fieber)	2	0	2	.	.	.	.	48	2	.	.	.	.	.	2	0	0	.	.	0
<i>Callicorixa wollastoni</i> (Douglas & Scott)	2	0	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	0
<i>Corixa affinis</i> Leach	2	0	29	.	.	.	.	48	.	.	.	.	.	.	0	.	.	.	.	.
<i>Corixa dentipes</i> Thomson	.	0	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.
<i>Corixa iberica</i> Jansson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Corixa panzeri</i> Fieber	12	0	29	.	.	.	.	48	2	.	0	.	.	.	2	0	.	.	.	.
<i>Corixa punctata</i> (Illiger)	2	0	2	.	0	.	.	48	.	.	.	.	0	.	0	.	.	.	.	0
<i>Cymatia bondsdorffii</i> (C.R. Sahlberg)	0	0	2	.	.	2	.	0	48	2	.	.	.	.	2	0	.	.	0	.
<i>Glaenocorisa propinqua</i> (Fieber)	14	0	33	.	.	.	.	26	.	.	.	.	.	.	2	.	.	.	33	.
<i>Hesperocorixa castanea</i> (Thomson)	0	0	2	.	.	.	.	48	.	.	.	.	.	.	0	.	.	.	.	0
<i>Hesperocorixa linnaei</i> (Fieber)	0	0	2	.	0	.	.	0	48	.	.	0	.	.	0	0	.	.	.	0
<i>Hesperocorixa moesta</i> (Fieber)	0	0	.	.	.	.	.	0	48	.	.	.	.	.	.	.	.	.	.	.
<i>Hesperocorixa sahlbergi</i> (Fieber)	0	0	2	.	0	.	2	0	48	.	.	0	.	.	.	0	.	.	.	0
<i>Micronecta griseola</i> Horváth	.	.	.	.	.	.	.	26	.	.	.	.	.	.	.	.	.	.	.	.
<i>Micronecta poweri</i> (Douglas & Scott)	2	0	.	.	.	0	.	.	.	.	.	.	.	.	26	0	.	.	.	.
<i>Paracorixa concinna</i> (Fieber)	.	0	2	.	.	0	.	48	.	.	.	.	.	.	0	.	.	.	.	.
<i>Sigara distincta</i> (Fieber)	2	0	2	.	0	.	2	48	2	.	.	.	.	.	2	0	0	.	.	.
<i>Sigara dorsalis</i> (Leach)	0	0	2	.	0	.	2	0	26	2	.	0	.	0	2	0	0	.	.	0
<i>Sigara falleni</i> (Fieber)	.	0	.	.	.	.	2	0	48	.	.	0	.	0	.	0	.	.	0	.
<i>Sigara fallenoidea</i> (Hungerford)	.	.	.	.	.	.	.	48	2	.	.	.	.	.	2	.	.	.	.	.
<i>Sigara fossarum</i> (Leach)	.	0	.	.	.	2	.	48	2	.	.	.	.	.	0	0	0	0	.	0
<i>Sigara lateralis</i> (Leach)	2	0	.	.	0	2	.	48	.	.	.	.	.	.	0	2	0	.	.	.
<i>Sigara limitata</i> (Fieber)	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Sigara nigrolineata</i> (Fieber)	2	0	29	.	.	0	.	0	48	2	.	0	.	.	2	2	.	.	.	0
<i>Sigara scotti</i> (Douglas & Scott)	0	0	2	.	.	.	.	0	48	2	.	.	.	.	2	0	0	.	.	.
<i>Sigara selecta</i> (Fieber)	12	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.	.	.
<i>Sigara semistriata</i> (Fieber)	0	0	2	.	0	.	.	48	.	.	0	.	.	.	2	0	0	.	.	0
<i>Sigara stagnalis</i> (Leach)	0	.	2	.	0	0	.	.	.	.	0	.	.	.	0	.	.	.	.	.
<i>Sigara venusta</i> (Douglas & Scott)	12	0	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	0



TABLE 1 (CONTINUED).

	H21 - Dublin	H22 - Meath	H23 - Westmeath	H24 - Longford	H25 - Roscommon	H26 - East Mayo	H27 - West Mayo	H28 - Sligo	H29 - Leitrim	H30 - Cavan	H31 - Louth	H32 - Monaghan	H33 - Fermanagh	H34 - East Donegal	H35 - West Donegal	H36 - Tyrone	H37 - Armagh	H38 - Down	H39 - Antrim	H40 - Londonderry
<b>Nepidae</b>																				
<i>Nepa cinerea</i> Linnaeus	0	.	.	.	.	.	0	0	0	0	.	.	32	0	0	32	0	1	1	.
<b>Aphelocheiridae</b>																				
<i>Aphelocheirus aestivalis</i> (Fabricius)	0	5	.	.	.	6	.	.	.	.	.	.	.	.	.	.	0	.	0	.
<b>Notonectidae</b>																				
<i>Notonecta glauca</i> Linnaeus	0	.	0	.	.	.	0	0	0	0	.	.	2	0	55	32	0	32	0	32
<i>Notonecta maculata</i> Fabricius	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.
<i>Notonecta obliqua</i> Thunberg	0	.	.	.	.	.	0	.	.	.	.	.	32	0	0	32	.	0	32	32
<i>Notonecta viridis</i> Delcourt	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Pleidae</b>																				
<i>Plea minutissima</i> Leach	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	0	.	0
<b>Corixidae</b>																				
<i>Arctocorisa carinata</i> (C.R. Sahlberg)	.	.	.	.	.	.	.	37	.	.	.	.	.	.	55	.	.	.	.	.
<i>Arctocorisa germari</i> (Fieber)	0	.	.	.	.	2	0	0	.	2	.	.	32	0	0	2	2	32	0	0
<i>Callicorixa praeusta</i> (Fieber)	0	.	0	.	2	.	.	2	.	.	.	.	2	0	0	32	2	0	0	0
<i>Callicorixa wollastoni</i> (Douglas & Scott)	.	.	.	.	.	.	0	55	.	.	.	.	32	0	0	32	0	0	32	0
<i>Corixa affinis</i> Leach	0	.	0	.	.	.	.	.	.	.	.	.	.	0	.	.	.	.	.	0
<i>Corixa dentipes</i> Thomson	0	.	.	.	.	.	.	.	.	.	.	.	32	.	.	32	32	32	0	32
<i>Corixa iberica</i> Jansson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	.
<i>Corixa panzeri</i> Fieber	0	.	.	.	.	.	0	.	.	.	.	.	.	.	0	24	24	32	.	32
<i>Corixa punctata</i> (Illiger)	0	.	.	.	0	.	0	.	.	.	.	.	2	0	0	32	0	0	0	0
<i>Cymatia bonsdorffii</i> (C.R. Sahlberg)	0	.	0	.	2	2	0	0	.	.	.	.	2	33	2	32	0	0	0	.
<i>Glaenocorisa propinqua</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	32	2	.	32	.	32	32	.
<i>Hesperocorixa castanea</i> (Thomson)	.	.	.	.	.	.	0	.	.	.	.	.	32	0	0	32	0	32	0	0
<i>Hesperocorixa linnaei</i> (Fieber)	0	.	.	.	.	2	.	0	.	.	.	.	32	0	2	32	0	0	0	0
<i>Hesperocorixa moesta</i> (Fieber)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	32	.	0
<i>Hesperocorixa sahlbergi</i> (Fieber)	0	.	.	.	.	.	0	.	.	0	.	.	32	0	0	32	0	0	0	0
<i>Micronecta griseola</i> Horváth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Micronecta poweri</i> (Douglas & Scott)	0	.	.	.	.	.	.	0	.	.	.	.	32	0	0	32	.	.	0	0
<i>Paracorixa concinna</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	24	32	32	0	0
<i>Sigara distincta</i> (Fieber)	0	.	0	.	.	2	0	0	0	2	.	.	2	0	0	32	0	0	0	0
<i>Sigara dorsalis</i> (Leach)	0	.	0	.	.	.	0	0	.	0	.	.	32	0	0	32	32	0	0	0
<i>Sigara falleni</i> (Fieber)	0	0	0	.	.	.	0	0	.	2	.	.	32	0	0	32	0	0	0	0
<i>Sigara fallenoidea</i> (Hungerford)	.	.	.	.	2	.	2	2	.	.	.	.	2	.	.	.	32	.	32	32
<i>Sigara fossarum</i> (Leach)	0	.	0	.	.	2	0	0	.	2	.	.	32	0	.	32	0	0	0	32
<i>Sigara lateralis</i> (Leach)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	32	32	0
<i>Sigara limitata</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	0	.	.
<i>Sigara nigrolineata</i> (Fieber)	0	.	0	.	.	.	0	.	.	0	.	.	32	0	2	32	0	0	32	0
<i>Sigara scotti</i> (Douglas & Scott)	.	.	.	.	.	.	2	.	.	.	.	.	32	0	0	32	2	0	0	.
<i>Sigara selecta</i> (Fieber)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Sigara semistriata</i> (Fieber)	0	.	.	.	0	.	0	.	.	.	.	.	2	0	0	.	0	.	1	0
<i>Sigara stagnalis</i> (Leach)	0	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.	32	.	.
<i>Sigara venusta</i> (Douglas & Scott)	.	.	.	.	.	.	.	.	.	.	.	.	.	0	0	.	0	0	.	0

TABLE 2. The references relating to the numbers in Table 1.

0	Halbert (1935)	28	Fritch, McCormack & Nelson (2010)
1	Crawford (1935)	29	Barry (2013)
2	Leston (1958)	30	Kirby (1991)
3	Stelfox (1965)	31	Roth & O'Connor (1993)
4	Walton (1966)	32	Nelson (1995)
5	MacNeill (1968)	33	McCarthy (1975)
6	Wilkins (1968)	34	O'Connor & Ashe (1996)
7	MacNeill (1969a)	35	O'Connor (1989)
8	MacNeill (1969b)	36	Britten (1939)
9	MacNeill (1970)	37	O'Connor & Nelson (2012)
10	Nash (1974)	38	O'Connor, O'Connor & Williams (1988)
11	O'Connor & O'Connor (1979)	39	Woodroffe (1962)
12	McCarthy & Walton (1980)	40	Anderson (2006)
13	Walton (1981)	41	O'Connor & O'Connor (1993)
14	Kirby (1983)	42	Alexander & Foster (1993)
15	Walton (1986)	43	Nelson (1999)
16	Judd (1986)	44	Bowdrey (2007)
17	Nelson (1986)	45	Nelson (2013)
18	Nelson (1988)	46	Nelson (2014)
19	Nelson (1997a)	47	Massee (1958)
20	Nelson (1997b)	48	Lansbury (1964)
21	Nelson & Smiddy (1997)	49	Morris (1967)
22	Alexander & Foster (1999)	50	Nelson (2015)
23	Aukema & Aukema (2001)	51	Nelson, Hermes & Aukema (2015)
24	Neale, Nelson & Rippey (2003)	52	Foley & McCormack (2013)
25	Aukema <i>et al.</i> (2006)	53	Cawley & Nelson (2013)
26	Cuppen & Nelson (2007)	54	Helden, Anderson & Purvis (2008)
27	Stelfox (1938)	55	McCormack, Nolan & Regan (2006)

## THE DIVISION OF RYAN'S LIST OF HEMIPTERA-HETEROPTERA FOR HAMPSHIRE INTO VICE-COUNTY LISTS FOR VC10, VC11 AND VC12

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### Introduction

The list of Hemiptera-Heteroptera for Hampshire in Ryan (2014) was compiled from that of Masee (1955) with additional records from the national entomological literature published in the six decades between these two papers. Ryan did not consider earlier publications, in particular Jones (1928-1930), and the modern work of Dr David Biggs; and did not attempt to divide the list for Hampshire into separate lists for its constituent vice-counties, which are the basis of modern recording. The present paper addresses these shortcomings, adding new county records and dividing the county list into separate lists for the Isle of Wight (VC10), Watsonian South Hampshire (VC11) and Watsonian North Hampshire (VC12).

The vice-county records were interpreted by taking into account the name changes and confusions over identity documented in Ryan (2012a, 2013, 2014, 2015a, 2016a & 2016b). The resulting vice-county lists include 686 records, compared with 437 for the original Hampshire list. The list for Hampshire as a whole has shortened by 24, the decrease arising from eleven species added to the list and 35 deleted from it due to the known records being insufficiently precise to be allocated to a particular vice-county.

The lists for the three vice-counties, which will appear in the next edition of the county distribution, are presented below. The species that are new to Ryan's list for Hampshire are marked "[NEW]", and the deleted species are marked "[DELETED]". The numbers in brackets marking some of the records relate to the references from which they were derived, as indicated in Table 1. The unmarked records are from Jones (1928-1930). Details of the records marked "A" are given in the Appendix, these having not previously been published. I am grateful to Dr. Biggs for allowing me to publish these records in this paper, and for his assistance with the Isle of Wight list.

### The divided records

#### ARADIDAE

<i>Aneurus avenius</i> (Dufour)	VC10 (48)	-	VC12
<i>Aneurus laevis</i> (Fabricius)	VC10 (51)	-	-
<i>Aradus cinnamomeus</i> Panzer	-	VC11 (57)	VC12 (56)
<i>Aradus corticalis</i> (Linnaeus)	-	VC11	-
<i>Aradus depressus</i> (Fabricius)	VC10	VC11	

#### ACANTHOSOMATIDAE

<i>Acanthosoma haemorrhoidale</i> (Linnaeus)	VC10 (45)	VC11	-
<i>Cyphostethus tristriatus</i> (Fabricius)	VC10 (45)	VC11 (23)	-
<i>Elasmotethus interstinctus</i> (Linnaeus)	VC10	VC11	-
<i>Elasmucha grisea</i> (Linnaeus)	VC10	VC11	-

#### CYDNIDAE

<i>Adomerus biguttatus</i> (Linnaeus)	VC10	VC11	VC12 (5)
<i>Byrsinus flavicornis</i> (Fabricius)	VC10	-	-
<i>Canthophorus impressus</i> (Horváth)	VC10	-	-
<i>Legnotus limbosus</i> (Geoffroy)	VC10	-	-
<i>Legnotus picipes</i> (Fallén)	VC10	-	-
<i>Sehirus luctuosus</i> Mulsant & Rey	VC10	VC11	-
<i>Tritomegas bicolor</i> (Linnaeus)	VC10	VC11	-

## THYREOCORIDAE

<i>Thyreocoris scarabaeoides</i> (Linnaeus)	VC10	VC11	-
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## SCUTELLERIDAE

<i>Eurygaster maura</i> (Linnaeus) [DELETED]	-	-	-
<i>Eurygaster testudinaria</i> (Geoffroy)	VC10 (45)	-	-
<i>Odontoscelis fuliginosa</i> (Linnaeus)	VC10	-	-
<i>Odontoscelis lineola</i> Rambur	VC10	-	VC12 (15)

## PENTATOMIDAE

<i>Aelia acuminata</i> (Linnaeus)	VC10	VC11 (28)	VC12
<i>Chlorochroa juniperina</i> (Linnaeus) [DELETED]	-	-	-
<i>Dolycoris baccarum</i> (Linnaeus)	VC10	VC11	-
<i>Eurydema dominulus</i> (Scopoli)	-	-	VC12
<i>Eurydema oleracea</i> (Linnaeus)	VC10	VC11 (23)	-
<i>Eurydema ornata</i> (Linnaeus)	VC10 (34)	-	-
<i>Eysarcoris aeneus</i> (Scopoli)	VC10	VC11	-
<i>Eysarcoris venustissimus</i> (Schränk)	VC10 (45)	VC11	VC12
<i>Neottiglossa pusilla</i> (Gmelin)	VC10	VC11	-
<i>Nezara viridula</i> (Linnaeus)	-	VC11 (30)	-
<i>Palomena prasina</i> (Linnaeus)	VC10	VC11	-
<i>Pentatoma rufipes</i> (Linnaeus)	VC10 (53)	-	-
<i>Peribalus strictus</i> (Fabricius)	VC10 (62)	VC11 (27)	-
<i>Picromerus bidens</i> (Linnaeus)	VC10 (49)	VC11	-
<i>Piezodorus lituratus</i> (Fabricius)	VC10 (53)	-	-
<i>Podops inunctus</i> (Fabricius)	VC10	VC11	-
<i>Rhacognathus punctatus</i> (Linnaeus)	-	VC11	-
<i>Sciocoris cursitans</i> (Fabricius)	VC10	-	-
<i>Troilus luridus</i> (Fabricius)	VC10 (45)	-	-
<i>Zicrona caerulea</i> (Linnaeus)	VC10	VC11	-

## COREIDAE

<i>Bathysolen nubilus</i> (Fallén)	-	-	VC12 (27)
<i>Ceraleptus lividus</i> Stein	-	VC11 (19)	-
<i>Coreus marginatus</i> (Linnaeus)	VC10	VC11	-
<i>Coriomeris denticulatus</i> (Scopoli)	VC10	VC11	-
<i>Enoplops scapha</i> (Fabricius)	VC10	-	-
<i>Gonocerus acuteangulatus</i> (Goeze)	VC10 (48)	VC11 (33)	VC12 (38)
<i>Leptoglossus occidentalis</i> Heidemann	VC10 (50)	VC11 (29)	-
<i>Spathocera dalmanii</i> (Schilling)	-	VC11 (18)	VC12 (16)
<i>Syromastus rhombeus</i> (Linnaeus)	VC10	VC11	-

## ALYDIDAE

<i>Alydus calcaratus</i> (Linnaeus)	VC10	VC11	-
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## RHOPALIDAE

<i>Chorosoma schillingii</i> (Schilling)	VC10	-	-
<i>Corizus hyoscyami</i> (Linnaeus)	VC10	-	VC12 (58)
<i>Liorhyssus hyalinus</i> (Fabricius)	VC10 (48)	-	VC12 (15)
<i>Myrmus miriformis</i> (Fallén)	VC10	VC11	-
<i>Rhopalus maculatus</i> (Fieber)	-	VC11	VC12 (16)
<i>Rhopalus parumpunctatus</i> Schilling	-	VC11	VC12 (15)
<i>Rhopalus rufus</i> Schilling	-	-	VC12
<i>Rhopalus subrufus</i> (Gmelin)	VC10 (45)	VC11	VC12
<i>Stictopleurus abutilon</i> (Rossi)	VC10 (51)	VC11 (32)	VC12 (15)

## RHOPALIDAE (CONTINUED)

<i>Stictopleurus punctatonervosus</i> (Goeze)	-	VC11 (38)	-
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## STENOCEPHALIDAE

<i>Dicranocephalus agilis</i> (Scopoli)	VC10	-	-
<i>Dicranocephalus albipes</i> (Fabricius)	-	VC11	-
<i>Dicranocephalus medius</i> (Mulsant & Rey)	VC10 (51)	-	-

## LYGAEIDAE

<i>Acompus rufipes</i> (Wolff)	-	VC11	-
<i>Aphanus rolandri</i> (Linnaeus)	-	VC11 (26)	-
<i>Beosus maritimus</i> (Scopoli)	VC10 (65)	-	-
<i>Chilacis typhae</i> (Perris)	VC10 (45)	-	-
<i>Cymus claviculus</i> (Fallén)	VC10	VC11	-
<i>Cymus glandicolor</i> Hahn	VC10	VC11	-
<i>Cymus melanocephalus</i> Fieber	VC10 (12)	VC11	-
<i>Drymus brunneus</i> (R.F. Sahlberg) [DELETED]	-	-	-
<i>Drymus latus</i> Douglas & Scott	VC10 (19)	VC11 (26)	-
<i>Drymus pilipes</i> Fieber	-	-	VC12 (17)
<i>Drymus pumilio</i> Puton [DELETED]	-	-	-
<i>Drymus ryeii</i> Douglas & Scott [DELETED]	-	-	-
<i>Drymus sylvaticus</i> (Fabricius)	VC10	-	-
<i>Emblethis denticollis</i> Horváth	-	-	VC12 (15)
<i>Eremocoris plebejus</i> (Fallén) [DELETED]	-	-	-
<i>Eremocoris podagricus</i> (Fabricius) [DELETED]	-	-	-
<i>Gastrodes abietum</i> Bergroth	-	VC11	-
<i>Gastrodes grossipes</i> (De Geer)	VC10 (49)	-	-
<i>Graptopeltus lynceus</i> (Fabricius)	VC10	VC11	VC12 (15)
<i>Henestaris laticeps</i> (Curtis)	VC10	VC11	-
<i>Heterogaster artemisiae</i> Schilling	VC10 (47)	VC11	VC12 (17)
<i>Heterogaster urticae</i> (Fabricius)	VC10	VC11	-
<i>Ischnocoris angustulus</i> (Boheman) [DELETED]	-	-	-
<i>Ischnodemus sabuleti</i> (Fallén)	VC10 (46)	-	-
<i>Kleidocerys ericae</i> (Horváth)	VC10	VC11	-
<i>Kleidocerys resedae</i> (Panzer)	VC10	VC11	-
<i>Lamproplax picea</i> (Flor)	-	VC11	VC12 (5)
<i>Lasiosomus enervis</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Macrodema microptera</i> (Curtis)	VC10 (53)	VC11	-
<i>Megalonotus antennatus</i> (Schilling)	VC10	-	VC12 (38)
<i>Megalonotus dilatatus</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Megalonotus praetextatus</i> (Herrich-Schaeffer)	-	VC11 (38)	VC12 (15)
<i>Megalonotus sabulicola</i> (Thomson) [NEW]	VC10 (64)	-	-
<i>Metopoplax ditomoides</i> (A. Costa)	-	-	VC12 (15)
<i>Notochilus limbatus</i> Fieber	-	VC11	-
<i>Nysius ericae</i> (Schilling)	VC10 (45)	-	VC12 (15)
<i>Nysius graminicola</i> (Kolenati)	-	VC11 (26)	-
<i>Nysius helveticus</i> (Herrich-Schaeffer)	-	VC11	VC12 (18)
<i>Nysius senecionis</i> (Schilling)	-	VC11 (26)	VC12 (15)
<i>Nysius thymi</i> (Wolff)	-	VC11 (39)	VC12 (15)
<i>Orsillus depressus</i> (Mulsant & Rey)	-	VC11 (23)	-
<i>Pachybrachius fracticollis</i> (Schilling)	-	VC11	VC12 (18)
<i>Pachybrachius luridus</i> Hahn	-	VC11	-
<i>Peritrechus convivus</i> (Stål)	VC10	-	-
<i>Peritrechus geniculatus</i> (Hahn)	VC10	VC11	-
<i>Peritrechus gracilicornis</i> Puton	VC10	-	VC12 (15)

## LYGAEIDAE (CONTINUED)

<i>Peritrechus lundii</i> (Gmelin)	VC10 (54)	-	-
<i>Peritrechus nubilus</i> (Fallén)	VC10 (52)	-	VC12 (15)
<i>Plinthisus brevipennis</i> (Latreille)	VC10	VC11	-
<i>Rhyparochromus pini</i> (Linnaeus)	VC10 (49)	VC11	VC12 (15)
<i>Scolopostethus affinis</i> (Schilling)	VC10	-	-
<i>Scolopostethus decoratus</i> (Hahn)	VC10	-	-
<i>Scolopostethus grandis</i> Horváth	VC10 (61)	-	-
<i>Scolopostethus pictus</i> (Schilling) [DELETED]	-	-	-
<i>Scolopostethus puberulus</i> Horváth [DELETED]	-	-	-
<i>Scolopostethus thomsoni</i> Reuter	VC10	-	-
<i>Stygnocoris fuliginus</i> (Geoffroy)	VC10	-	-
<i>Stygnocoris rusticus</i> (Fallén)	VC10	VC11	-
<i>Stygnocoris sabulosus</i> (Schilling)	VC10 (53)	-	-
<i>Taphropeltus contractus</i> (Herrich-Schaeffer)	VC10		
<i>Trapezonotus desertus</i> Seidenstücker	-	-	VC12 (3)
<i>Trapezonotus dispar</i> Stål	-	-	VC12 (5)
<i>Tropistethus holosericus</i> (Scholtz)	VC10	-	-

## BERYTIDAE

<i>Berytinus clavipes</i> (Fabricius)	VC10	-	-
<i>Berytinus crassipes</i> (Herrich-Schaeffer)	-	VC11	VC12 (16)
<i>Berytinus hirticornis</i> (Brullé)	VC10 (14)	-	-
<i>Berytinus minor</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Berytinus montivagus</i> (Meyer-Dür)	VC10	-	-
<i>Berytinus signoreti</i> (Fieber)	VC10	-	-
<i>Gampsocoris punctipes</i> (Germar)	VC10	VC11	-
<i>Metatropis rufescens</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Neides tipularius</i> (Linnaeus)	VC10	VC11	-

## PIESMATIDAE

<i>Parapiesma quadratum</i> (Fieber)	VC10	VC11	-
<i>Piesma maculatum</i> (Laporte)	VC10	VC11	-

## TINGIDAE

<i>Acalypta brunnea</i> (Germar)	-	VC11	-
<i>Acalypta carinata</i> (Panzer)	-	VC11	-
<i>Acalypta parvula</i> (Fallén)	VC10	VC11	-
<i>Agramma laetum</i> (Fallén)	VC10 (12)	VC11	-
<i>Campylosteira verna</i> (Fallén)	VC10	-	-
<i>Catoplatys fabricii</i> (Stål)	VC10 (52)	-	VC12 (15)
<i>Derephysia foliacea</i> (Fallén)	VC10 (54)	VC11	-
<i>Dictyla convergens</i> (Herrich-Schaeffer)	VC10 (49)	-	-
<i>Dictyonota fuliginosa</i> A. Costa [DELETED]	-	-	-
<i>Dictyonota strichnocera</i> Fieber	VC10	VC11	-
<i>Kalama tricornis</i> (Schränk)	VC10 (45)	-	-
<i>Oncochila simplex</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Physatocheila dumetorum</i> (Herrich-Schaeffer)	VC10 (45)	VC11	-
<i>Physatocheila smreczynskii</i> China	VC10 (49)	VC11	-
<i>Stephanitis rhododendri</i> Horváth [DELETED]	-	-	-
<i>Tingis ampliata</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Tingis cardui</i> (Linnaeus)	VC10 (53)	-	-
<i>Tingis reticulata</i> Herrich-Schaeffer	-	VC11	VC12 (38)

## REDUVIIDAE

<i>Empicoris baerensprungi</i> (Dohrn)	-	VC11	VC12 (18)
<i>Empicoris culiciformis</i> (De Geer)	-	VC11	-
<i>Empicoris vagabundus</i> (Linnaeus)	VC10	VC11(60)	-
<i>Pygolampis bidentata</i> (Goeze)	-	VC11	-
<i>Reduvius personatus</i> (Linnaeus)	-	VC11	-

## NABIDAE

<i>Himacerus apterus</i> (Fabricius)	-	VC11	-
<i>Himacerus boops</i> (Schjødt)	VC10	-	-
<i>Himacerus major</i> (A. Costa)	VC10 (53)	-	-
<i>Himacerus mirmicoides</i> (O. Costa)	VC10	VC11	-
<i>Nabis ericetorum</i> Scholtz	VC10 (45)	-	-
<i>Nabis ferus</i> (Linnaeus)	VC10 (49)	-	-
<i>Nabis flavomarginatus</i> Scholtz	VC10	-	-
<i>Nabis limbatus</i> Dahlbom	VC10 (53)	-	-
<i>Nabis lineatus</i> Dahlbom	VC10	-	-
<i>Nabis pseudoferus</i> Remane	-	VC11 (7)	-
<i>Nabis rugosus</i> (Linnaeus)	VC10 (12)	-	-

## ANTHOCORIDAE

<i>Acompocoris alpinus</i> Reuter [DELETED]	-	-	-
<i>Acompocoris pygmaeus</i> (Fallén)	VC10	VC11	-
<i>Anthocoris butleri</i> Le Quesne [NEW]	VC10 (47)	-	-
<i>Anthocoris confusus</i> Reuter	VC10	-	-
<i>Anthocoris gallarumulmi</i> (De Geer)	-	VC11	-
<i>Anthocoris limbatus</i> Fieber	-	VC11 (21)	-
<i>Anthocoris nemoralis</i> (Fabricius)	VC10	-	-
<i>Anthocoris nemorum</i> (Linnaeus)	VC10	-	-
<i>Anthocoris sarothamni</i> Douglas & Scott [DELETED]	-	-	-
<i>Brachysteles parvicornis</i> (A. Costa)	VC10	-	-
<i>Cardiastethus fasciiventris</i> (Garbiglietti)	VC10 (61)	-	-
<i>Elatophilus nigricornis</i> (Zetterstedt)	-	VC11 (55)	-
<i>Lyctocoris campestris</i> (Fabricius)	VC10	-	-
<i>Orius laevigatus</i> (Fieber)	VC10 (63)	-	-
<i>Orius laticollis</i> (Reuter)	VC10 (37)	VC11 (37)	-
<i>Orius majusculus</i> (Reuter)	VC10 (63)	-	-
<i>Orius niger</i> (Wolff)	VC10 (A)	VC11 (63)	-
<i>Temnostethus gracilis</i> Horváth	VC10 (9)	VC11 (1)	-
<i>Temnostethus pusillus</i> (Herrich-Schaeffer)	VC10 (A)	-	VC12 (1)
<i>Temnostethus tibialis</i> Reuter	-	-	VC12 (11)
<i>Tetraphleps bicuspis</i> (Herrich-Schaeffer)	-	VC11	-
<i>Xylocoris cursitans</i> (Fallén)	VC10	-	-
<i>Xylocoris formicetorum</i> (Boheman) [DELETED]	-	-	-
<i>Xylocoris galactinus</i> (Fieber)	VC10	-	-

## CIMICIDAE

<i>Cimex lectularius</i> Linnaeus	VC10 (54)	-	-
<i>Cimex pipistrelli</i> Jenyns [DELETED]	-	-	-
<i>Oeciacus hirundinis</i> (Lamarck)	VC10 (61)	-	-

## MICROPHYSIDAE

<i>Loricula distinguenda</i> (Reuter)	-	VC11	-
<i>Loricula elegantula</i> (Baerensprung)	VC10	VC11	-
<i>Loricula exilis</i> (Fallén) [DELETED]	-	-	-

## MICROPHYSIDAE (CONTINUED)

<i>Loricula inconspicua</i> (Douglas & Scott)	VC10	-	-
<i>Loricula pselaphiformis</i> Curtis	-	VC11	-

## MIRIDAE

<i>Acetropis gimmerthalii</i> (Flor)	VC10 (45)	VC11	-
<i>Adelphocoris lineolatus</i> (Goeze)	VC10	VC11	-
<i>Adelphocoris seticornis</i> (Fabricius)	VC10	-	-
<i>Adelphocoris ticinensis</i> (Meyer-Dür)	VC10	VC11	VC12 (15)
<i>Alloeotomus gothicus</i> (Fallén)	-	VC11 (38)	VC12 (2)
<i>Amblytylus brevicollis</i> Fieber [DELETED]	-	-	-
<i>Amblytylus nasutus</i> (Kirschbaum)	VC10	VC11	-
<i>Apolygus lucorum</i> (Meyer-Dür)	VC10	VC11	-
<i>Apolygus spinolae</i> (Meyer-Dür)	VC10	VC11	-
<i>Asciodema obsoleta</i> (Fieber)	VC10	-	-
<i>Atractotomus magnicornis</i> (Fallén)	VC10 (48)	-	VC12
<i>Atractotomus mali</i> (Meyer-Dür)	VC10	VC11	-
<i>Atractotomus parvulus</i> Reuter	-	VC11 (35)	-
<i>Blepharidopterus angulatus</i> (Fallén)	VC10	-	-
<i>Blepharidopterus diaphanus</i> (Kirschbaum)	VC10 (45)	VC11	-
<i>Brachyarthrur limitatum</i> Fieber [DELETED]	-	-	-
<i>Bryocoris pteridis</i> (Fallén)	VC10 (45)	VC11	-
<i>Calocoris roseomaculatus</i> (De Geer)	VC10	-	-
<i>Camptozygum aequale</i> (Villers) [DELETED]	-	-	-
<i>Campylomma annulicorne</i> (Signoret) [NEW]	VC10 (45)	-	-
<i>Campyloneura virgula</i> (Herrich-Schaeffer)	VC10	-	-
<i>Capsodes flavomarginatus</i> (Donovan)	-	VC11	-
<i>Capsodes gothicus</i> (Linnaeus)	VC10 (49)	VC11	-
<i>Capsodes sulcatus</i> (Fieber)	VC10	VC11	-
<i>Capsus ater</i> (Linnaeus)	VC10	-	-
<i>Capsus wagneri</i> (Remane)	VC10 (31)	-	-
<i>Charagochilus gyllenhalii</i> (Fallén)	VC10	VC11	-
<i>Charagochilus weberi</i> Wagner	-	-	VC12 (10)
<i>Chlamydatus evanescens</i> (Boheman)	-	VC11 (40)	-
<i>Chlamydatus pullus</i> (Reuter) [NEW]	VC10 (45)	-	-
<i>Chlamydatus saltitans</i> (Fallén)	VC10	VC11	-
<i>Closterotomus fulvomaculatus</i> (De Geer)	VC10	-	-
<i>Closterotomus norwegicus</i> (Gmelin)	VC10	VC11	-
<i>Compsidolon salicellum</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Conostethus griseus</i> Douglas & Scott	VC10 (12)	-	-
<i>Cyllecoris histrionius</i> (Linnaeus)	VC10 (54)	-	-
<i>Cyrtorhinus caricis</i> (Fallén)	VC10	VC11	-
<i>Deraeocoris flavilinea</i> (A. Costa)	VC10 (52)	VC11 (39)	-
<i>Deraeocoris lutescens</i> (Schilling) [NEW]	VC10 (12)	-	-
<i>Deraeocoris olivaceus</i> (Fabricius)	-	-	VC12 (9)
<i>Deraeocoris ruber</i> (Linnaeus)	VC10	-	-
<i>Deraeocoris scutellaris</i> (Fabricius)	VC10 (61)	VC11 (20)	-
<i>Dichrooscytus gustavi</i> Josifov	-	-	VC12 (8)
<i>Dichrooscytus rufipennis</i> (Fallén)	VC10	VC11	-
<i>Dicyphus annulatus</i> (Wolff)	VC10	-	-
<i>Dicyphus constrictus</i> (Boheman)	VC10	VC11	-
<i>Dicyphus epilobii</i> Reuter	VC10	-	-
<i>Dicyphus errans</i> (Wolff)	VC10	VC11	-
<i>Dicyphus globulifer</i> (Fallén)	VC10	VC11	-
<i>Dicyphus pallicornis</i> (Fieber)	VC10	-	-



## MIRIDAE (CONTINUED)

<i>Dicyphus pallidus</i> (Herrich-Schaeffer)	-	-	VC12 (42)
<i>Dicyphus stachydis</i> J. Sahlberg	VC10	VC11	-
<i>Dryophilocoris flavoquadrinaculatus</i> (De Geer)	VC10 (12)	VC11	-
<i>Fieberocapsus flaveolus</i> (Reuter) [DELETED]	-	-	-
<i>Globiceps flavomaculatus</i> (Fabricius)	-	VC11	-
<i>Globiceps fulvicollis</i> Jakovlev	-	VC11 (44)	-
<i>Globiceps juniperi</i> Reuter	-	-	VC12 (22)
<i>Grypocoris stysi</i> (Wagner) [NEW]	-	-	VC12 (59)
<i>Hallodapus rufescens</i> (Burmeister)	VC10 (51)	VC11	-
<i>Halticus apterus</i> (Linnaeus) [DELETED]	-	-	-
<i>Halticus luteicollis</i> (Panzer)	VC10	-	-
<i>Halticus saltator</i> (Geoffroy) [DELETED]	-	-	-
<i>Harpocera thoracica</i> (Fallén)	VC10 (12)	VC11	-
<i>Heterocordylus genistae</i> (Scopoli)	VC10 (54)	VC11	-
<i>Heterocordylus tibialis</i> (Hahn)	VC10 (49)	VC11	-
<i>Heterotoma planicornis</i> (Pallas)	VC10	-	-
<i>Hoplomachus thunbergii</i> (Fallén) [DELETED]	-	-	-
<i>Hypseloecus visci</i> (Puton)	-	VC11 (24)	-
<i>Leptopterna dolabrata</i> (Linnaeus)	VC10	-	-
<i>Leptopterna ferrugata</i> (Fallén)	VC10	VC11	-
<i>Liocoris tripustulatus</i> (Fabricius)	VC10	-	-
<i>Lopus decolor</i> (Fallén)	VC10	VC11	-
<i>Lygocoris pabulinus</i> (Linnaeus)	VC10	VC11	-
<i>Lygocoris rugicollis</i> (Fallén)	VC10	-	-
<i>Lygus maritimus</i> Wagner	VC10 (45)	VC11 (28)	-
<i>Lygus pratensis</i> (Linnaeus)	VC10 (A)	VC11 (4)	-
<i>Lygus rugulipennis</i> Poppius	VC10 (12)	-	-
<i>Macrolophus rubi</i> Woodroffe [DELETED]	-	-	-
<i>Macrotylus paykullii</i> (Fallén)	VC10	VC11	-
<i>Macrotylus solitarius</i> (Meyer-Dür)	-	-	VC12 (6)
<i>Malacocoris chlorizans</i> (Panzer)	VC10	VC11	-
<i>Mecomma ambulans</i> (Fallén)	VC10	VC11	-
<i>Megacoelum beckeri</i> (Fieber) [DELETED]	-	-	-
<i>Megacoelum infusum</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Megaloceroea recticornis</i> (Geoffroy)	VC10 (49)	VC11	-
<i>Megalocoleus molliculus</i> (Fallén)	VC10	VC11	-
<i>Megalocoleus tanacetii</i> (Fallén)	VC10	VC11(60)	-
<i>Miridius quadrivirgatus</i> (A. Costa)	VC10	-	VC12 (38)
<i>Miris striatus</i> (Linnaeus)	VC10 (45)	-	-
<i>Monalocoris filicis</i> (Linnaeus)	VC10	-	-
<i>Myrmecoris gracilis</i> (R.F. Sahlberg)	-	VC11	VC12 (18)
<i>Neolygus contaminatus</i> (Fallén)	VC10	VC11	-
<i>Neolygus populi</i> (Leston)	VC10 (52)	-	VC12 (9)
<i>Neolygus viridis</i> (Fallén)	VC10	VC11	-
<i>Notostira elongata</i> (Geoffroy)	VC10 (12)	-	-
<i>Oncotylus viridiflavus</i> (Goeze) [NEW]	VC10 (46)	-	-
<i>Orthocephalus coriaceus</i> (Fabricius)	VC10 (52)	-	-
<i>Orthocephalus saltator</i> (Hahn)	VC10	VC11	-
<i>Orthonotus rufifrons</i> (Fallén)	VC10	VC11	-
<i>Orthops campestris</i> (Linnaeus)	VC10 (A)	-	-
<i>Orthops kalmii</i> (Linnaeus)	VC10 (A)	-	-
<i>Orthotylus bilineatus</i> (Fallén)	-	VC11	-
<i>Orthotylus concolor</i> (Kirschbaum)	VC10 (45)	-	-
<i>Orthotylus ericetorum</i> (Fallén)	VC10	VC11	-

## MIRIDAE (CONTINUED)

<i>Orthotylus flavinervis</i> (Kirschbaum)	VC10	VC11	-
<i>Orthotylus flavosparsus</i> (C.R. Sahlberg)	VC10	VC11	-
<i>Orthotylus marginalis</i> Reuter	VC10	-	-
<i>Orthotylus moncreaffi</i> (Douglas & Scott)	VC10	VC11	-
<i>Orthotylus nassatus</i> (Fabricius)	VC10 (45)	VC11	-
<i>Orthotylus ochrotrichus</i> Fieber	VC10 (54)	-	-
<i>Orthotylus prasinus</i> (Fallén)	-	VC11	-
<i>Orthotylus rubidus</i> (Puton)	VC10	VC11	-
<i>Orthotylus tenellus</i> (Fallén)	VC10	VC11	-
<i>Orthotylus virescens</i> (Douglas & Scott)	VC10 (A)	-	-
<i>Orthotylus viridinervis</i> (Kirschbaum) [DELETED]	-	-	-
<i>Pantilius tunicatus</i> (Fabricius)	VC10 (47)	-	-
<i>Parapsallus vitellinus</i> (Scholtz) [DELETED]	-	-	-
<i>Phoenicocoris obscurellus</i> (Fallén)	VC10	VC11	-
<i>Phylus coryli</i> (Linnaeus)	VC10	-	-
<i>Phylus melanocephalus</i> (Linnaeus)	VC10	VC11	-
<i>Phytocoris dimidiatus</i> Kirschbaum	VC10 (49)	VC11	-
<i>Phytocoris longipennis</i> Flor	VC10	VC11	-
<i>Phytocoris populi</i> (Linnaeus)	-	VC11	-
<i>Phytocoris reuteri</i> Saunders	VC10	VC11	-
<i>Phytocoris tiliae</i> (Fabricius)	VC10 (53)	VC11	-
<i>Phytocoris ulmi</i> (Linnaeus)	VC10	VC11	-
<i>Phytocoris varipes</i> Boheman	VC10	VC11	-
<i>Pilophorus cinnamopterus</i> (Kirschbaum)	VC10 (A)	VC11	-
<i>Pilophorus clavatus</i> (Linnaeus)	-	VC11	-
<i>Pilophorus perplexus</i> Douglas & Scott	VC10 (49)	VC11	-
<i>Pinalitus atomarius</i> (Meyer-Dür) [DELETED]	-	-	-
<i>Pinalitus cervinus</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Pinalitus rubricatus</i> (Fallén)	-	VC11	-
<i>Pithanus maerkelii</i> (Herrich-Schaeffer)	VC10	-	-
<i>Plagiognathus arbustorum</i> (Fabricius)	VC10	-	-
<i>Plagiognathus chrysanthemi</i> (Wolff)	VC10	VC11	-
<i>Platycranus bicolor</i> (Douglas & Scott)	VC10 (45)	VC11	-
<i>Plesiodema pinetella</i> (Zetterstedt) [DELETED]	-	-	-
<i>Polymerus nigrita</i> (Fallén)	VC10 (45)	-	-
<i>Polymerus palustris</i> (Reuter)	VC10	-	-
<i>Polymerus unifasciatus</i> (Fabricius)	-	VC11	-
<i>Psallus ambiguus</i> (Fallén)	VC10 (45)	VC11	-
<i>Psallus assimilis</i> Stichel	VC10 (12)	VC11 (44)	VC12 (8)
<i>Psallus confusus</i> Rieger [NEW]	VC10 (A)	-	-
<i>Psallus falleni</i> Reuter	VC10 (45)	VC11	-
<i>Psallus flavellus</i> Stichel [DELETED]	-	-	-
<i>Psallus haematodes</i> (Gmelin)	VC10	-	-
<i>Psallus lepidus</i> Fieber	VC10	VC11	-
<i>Psallus perrisi</i> (Mulsant & Rey)	VC10 (45)	-	-
<i>Psallus salicis</i> (Kirschbaum)	-	VC11	-
<i>Psallus variabilis</i> (Fallén)	VC10 (A)	-	-
<i>Psallus varians</i> (Herrich-Schaeffer)	VC10 (12)	VC11	-
<i>Psallus wagneri</i> Ossiannilsson [NEW]	VC10 (45)	-	-
<i>Pseudoloxops coccineus</i> (Meyer-Dür)	VC10 (49)	-	-
<i>Rhabdomiris striatellus</i> (Fabricius)	VC10	VC11	-
<i>Salicarus roseri</i> (Herrich-Schaeffer)	VC10 (45)	-	-
<i>Stenodema calcarata</i> (Fallén)	VC10 (12)	-	-
<i>Stenodema holsata</i> (Fabricius)	VC10	VC11	-

## MIRIDAE (CONTINUED)

<i>Stenodema laevigata</i> (Linnaeus)	VC10 (12)	-	-
<i>Stenodema trispinosa</i> Reuter	-	VC11 (21)	-
<i>Stenotus binotatus</i> (Fabricius)	VC10	-	-
<i>Sthenarus rotermundi</i> (Scholtz)	VC10	VC11	-
<i>Strongylocoris leucocephalus</i> (Linnaeus)	VC10	VC11	-
<i>Strongylocoris luridus</i> (Fallén)	-	VC11	-
<i>Systellonotus triguttatus</i> (Linnaeus)	VC10 (54)	VC11 (18)	VC12
<i>Teratocoris antennatus</i> (Boheman)	VC10 (49)	VC11	-
<i>Teratocoris saundersi</i> Douglas & Scott	VC10 (45)	VC11	-
<i>Tinicephalus hortulanus</i> (Meyer-Dür)	VC10 (52)	VC11	-
<i>Trigonotylus psammaecolor</i> Reuter	VC10 (45)	VC11	-
<i>Tuponia brevirostris</i> Reuter	VC10 (48)	VC11 (41)	-
<i>Tuponia mixticolor</i> (A. Costa)	VC10 (13)	VC11 (13)	-
<i>Tytthus pygmaeus</i> (Zetterstedt)	VC10	-	-

## CERATOCOMBIDAE

<i>Ceratocombus coleoptratus</i> (Zetterstedt)	-	VC11	-
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## DIPSOCORIDAE

<i>Cryptostemma alienum</i> Herrich-Schaeffer	-	VC11	-
<i>Pachycoleus waltli</i> Fieber	-	VC11	-

## SALDIDAE

<i>Chartoscirta cincta</i> (Herrich-Schaeffer)	VC10	VC11	-
<i>Chartoscirta cocksii</i> (Curtis)	VC10	VC11	-
<i>Halosalda lateralis</i> (Fallén)	VC10	VC11	-
<i>Salda littoralis</i> (Linnaeus)	VC10	VC11	-
<i>Saldula arenicola</i> (Scholtz)	VC10	VC11	-
<i>Saldula c-album</i> (Fieber)	VC10	-	-
<i>Saldula orthochila</i> (Fieber)	VC10	VC11	-
<i>Saldula pallipes</i> (Fabricius) [NEW]	VC10 (A)	-	-
<i>Saldula palustris</i> (Douglas) [NEW]	VC10 (45)	-	-
<i>Saldula pilosella</i> (Thomson)	VC10	VC11	-
<i>Saldula saltatoria</i> (Linnaeus)	VC10	-	-

## AEOPHILIDAE

<i>Aepophilus bonnairei</i> Signoret	VC10	-	-
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## MESOVELIIDAE

<i>Mesovelia furcata</i> Mulsant & Rey	VC10 (A)	-	VC12 (36)
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## HEBRIDAE

<i>Hebrus pusillus</i> (Fallén)	VC10	VC11	-
<i>Hebrus ruficeps</i> Thomson	-	VC11	VC12 (36)

## HYDROMETRIDAE

<i>Hydrometra gracilentia</i> Horváth	-	VC11 (36)	-
<i>Hydrometra stagnorum</i> (Linnaeus)	VC10	VC11 (36)	VC12 (36)

## VELIIDAE

<i>Microvelia pygmaea</i> (Dufour)	VC10 (36)	-	VC12 (36)
<i>Microvelia reticulata</i> (Burmeister)	VC10 (A)	VC11 (36)	VC12 (36)
<i>Velia caprai</i> Tamanini	VC10 (36)	VC11 (36)	VC12 (36)
<i>Velia saulii</i> Tamanini	-	VC11 (36)	-

## GERRIDAE

<i>Aquarius najas</i> (De Geer)	-	VC11	VC12 (36)
<i>Aquarius paludum</i> (Fabricius)	VC10	VC11	VC12 (36)
<i>Gerris argentatus</i> Schummel	-	VC11	VC12 (36)
<i>Gerris gibbifer</i> Schummel	VC10	VC11	VC12 (36)
<i>Gerris lacustris</i> (Linnaeus)	VC10	VC11 (36)	VC12 (36)
<i>Gerris lateralis</i> Schummel	-	VC11 (25)	-
<i>Gerris odontogaster</i> (Zetterstedt)	VC10 (36)	VC11	VC12 (36)
<i>Gerris thoracicus</i> Schummel	VC10	VC11 (36)	VC12 (36)

## NEPIDAE

<i>Nepa cinerea</i> Linnaeus	VC10	VC11 (36)	VC12 (36)
<i>Ranatra linearis</i> (Linnaeus)	VC10	VC11	VC12 (36)

## NAUCORIDAE

<i>Ilyocoris cimicoides</i> (Linnaeus)	VC10	VC11	VC12 (36)
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## APHELOCHEIRIDAE

<i>Aphelocheirus aestivalis</i> (Fabricius)	-	VC11 (36)	VC12 (36)
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## NOTONECTIDAE

<i>Notonecta glauca</i> Linnaeus	VC10 (36)	VC11	VC12 (36)
<i>Notonecta maculata</i> Fabricius	VC10 (36)	VC11	VC12 (36)
<i>Notonecta obliqua</i> Thunberg	VC10 (36)	VC11	VC12 (36)
<i>Notonecta viridis</i> Delcourt	VC10 (36)	VC11 (36)	VC12 (36)

## PLEIDAE

<i>Plea minutissima</i> Leach	VC10	VC11	VC12 (36)
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## CORIXIDAE

<i>Arctocorisa carinata</i> (C.R. Sahlberg) [DELETED]	-	-	-
<i>Arctocorisa germari</i> (Fieber) [DELETED]	-	-	-
<i>Callicorixa praeusta</i> (Fieber)	VC10	VC11 (36)	VC12 (36)
<i>Corixa affinis</i> Leach	VC10 (36)	VC11 (36)	-
<i>Corixa dentipes</i> Thomson	VC10 (36)	-	VC12 (36)
<i>Corixa panzeri</i> Fieber	VC10 (36)	-	VC12 (36)
<i>Corixa punctata</i> (Illiger)	VC10 (36)	VC11 (36)	VC12 (36)
<i>Cymatia bondsdorffii</i> (C.R. Sahlberg)	VC10 (36)	VC11 (36)	-
<i>Cymatia coleoptrata</i> (Fabricius)	VC10	VC11 (36)	VC12 (36)
<i>Glaenocorisa cavifrons</i> (Thomson) [DELETED]	-	-	-
<i>Hesperocorixa castanea</i> (Thomson)	-	VC11 (36)	VC12 (36)
<i>Hesperocorixa linnaei</i> (Fieber)	VC10	VC11 (36)	VC12 (36)
<i>Hesperocorixa moesta</i> (Fieber)	VC10 (36)	VC11 (36)	VC12 (36)
<i>Hesperocorixa sahlbergi</i> (Fieber)	VC10	VC11	VC12 (36)
<i>Micronecta griseola</i> Horváth	-	-	VC12 (43)
<i>Micronecta minutissima</i> (Linnaeus)	-	-	VC12 (36)
<i>Micronecta poweri</i> (Douglas & Scott)	VC10 (36)	VC11 (36)	VC12 (36)
<i>Micronecta scholtzi</i> (Fieber)	VC10 (36)	-	VC12 (36)
<i>Paracorixa concinna</i> (Fieber)	VC10 (36)	VC11 (36)	VC12 (36)
<i>Sigara distincta</i> (Fieber)	VC10 (36)	VC11	VC12 (36)
<i>Sigara dorsalis</i> (Leach)	VC10	VC11 (36)	VC12 (36)
<i>Sigara falleni</i> (Fieber)	VC10	VC11	VC12 (36)
<i>Sigara fossarum</i> (Leach)	VC10	VC11	VC12 (36)
<i>Sigara lateralis</i> (Leach)	VC10 (36)	VC11 (36)	VC12 (36)
<i>Sigara limitata</i> (Fieber)	VC10	VC11	VC12 (36)

## CORIXIDAE (CONTINUED)

<i>Sigara nigrolineata</i> (Fieber)	VC10	VC11	VC12 (36)
<i>Sigara scotti</i> (Douglas & Scott)	-	VC11 (36)	VC12 (36)
<i>Sigara selecta</i> (Fieber) [DELETED]	-	-	-
<i>Sigara semistriata</i> (Fieber)	VC10 (A)	-	-
<i>Sigara stagnalis</i> (Leach)	VC10 (36)	VC11 (36)	-
<i>Sigara venusta</i> (Douglas & Scott)	VC10	VC11 (36)	VC12 (36)

TABLE 1. The references relating to the numbers in the list of divided records.

1	Le Quesne (1955)	34	Paul (2006)
2	Woodroffe (1956)	35	Lattin & Ozanne (1994)
3	Woodroffe (1960c)	36	Huxley (2003)
4	Woodroffe (1966)	37	Nau (1984)
5	Woodroffe (1960a)	38	Denton (2004)
6	Woodroffe (1960b)	39	Dickson (2004)
7	Ryle (1960)	40	Nau & Brooke (2006)
8	Woodroffe (1962)	41	Ryan (2012b)
9	Woodroffe (1963)	42	Ryan (2011)
10	Woodroffe (1965)	43	Denton (2012)
11	Woodroffe (1971)	44	Dickson (2012)
12	Le Quesne (1974)	45	Biggs (1997)
13	Nau (1980)	46	Biggs (1998)
14	Dolling (1983)	47	Biggs (2001)
15	Denton (1997b)	48	Biggs (2008a)
16	Denton (1997a)	49	Biggs (2008b)
17	Whitehead (2004)	50	Biggs (2011a)
18	Denton (2001)	51	Biggs (2011b)
19	Appleton (1984)	52	Biggs (2012)
20	Appleton (1986)	53	Brown (1924)
21	Appleton (1987)	54	Morey (1909)
22	Alexander <i>et al.</i> (1999)	55	Massee (1945)
23	Dickson (2002)	56	Southgate & Woodroffe (1952)
24	Gibbs & Nau (2005)	57	Southgate & Woodroffe (1953)
25	Denton (2005)	58	Ryan (2012c)
26	Dickson (2007)	59	Ryan (2015b)
27	Denton (2007)	60	Dickson (2015)
28	Biggs & Langmaid (2006)	61	Biggs (2013)
29	Dickson (2009)	62	Biggs (2014)
30	Salisbury <i>et al.</i> (2009)	63	Britten (1939)
31	Denton (2010)	64	Bedwell (1924)
32	Dolling (1978)	65	Biggs (2015)
33	Harvey (2006)		

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### Appendix: previously unpublished records for the Isle of Wight

#### ANTHOCORIDAE

*Orius niger* (Wolff)

20 August 2007, Royal Spithead Hotel (rec. Nau, Dr B.S.).

*Temnostethus pusillus* (Herrich-Schaeffer)

19 August 2007, Newtown Harbour SSSI, (rec. Nau, Dr B.S.).

#### MIRIDAE

*Lygus pratensis* (Linnaeus)

20 August 2007, Bembridge Spit (rec. Brooke, S.).

*Orthops campestris* (Linnaeus)

03 September 1990, Chale, Windmill Copse (rec. Biggs, D. T., det. Biggs, D. T.).

*Orthops kalmii* (Linnaeus)

28 August 1994, Alverstone (rec. Biggs D.T. & Cheverton, J.M., det. Biggs, D. T.).

*Orthotylus virescens* (Douglas & Scott)

19 August 1979, St Helen's Duver (rec. Nau, Dr B.S.).

*Pilophorus cinnamopterus* (Kirschbaum)

19 July 2010, Newchurch Lynch (rec. Boyd, I., det. Biggs, D. T.).

*Psallus confusus* Rieger

23 June 1990, Shalfleet (rec. Biggs, D. T., det. Biggs, D. T.).

*Psallus variabilis* (Fallén)

21 June 1997, Alverstone Mead (rec. Biggs, D. T., det. Biggs, D. T.).

#### SALDIDAE

*Saldula pallipes* (Fabricius)

20 August 2007, St Catherines Point (rec. Nau, Dr B.S.).



MESOVELIIDAE

*Mesovelvia furcata* Mulsant & Rey

30 July 1996, Alverstone, Burnt House (rec. Ashdown, M.).

VELIIDAE

*Microvelia reticulata* (Burmeister)

22 June 1995, Shide Chalkpit (rec. Ashdown, M.).

CORIXIDAE

*Sigara semistriata* (Fieber)

22 March 1999, Alverstone, Scotchell's Brook, (rec. Ashdown, M.).

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**NEW VICE-COUNTY RECORDS OF HEMIPTERA-HETEROPTERA  
FOR WATSONIAN NORTH HAMPSHIRE (VC12)**

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The division of the county list of Hemiptera-Heteroptera for Hampshire into separate lists for the three constituent vice-counties (Ryan, 2016) resulted in very few records for Watsonian North Hampshire (VC12). Anticipating this problem, in 2015 I made three recording visits to the vice-county, in the vicinity of Burghclere, just over the border with Berkshire, and I present the resulting new vice-county records below.

My first visit was to the National Trust's The Chase, Broad Layings (National Grid Reference SU443627) on 15 June, undertaking general sweeping and beating along the rides and in the clearings (records marked [A]). Some suction sampling of moss was also done, using a Vax Life hand-held vacuum cleaner (Ryan, 2012) [B]. The next visit was on 25 June to Great Pen Wood (SU450622), using sweeping and beating [C] and suction sampling [D]. On the same day, I beat an oak tree in Pound Street (SU451615) [E], and used sweeping and beating along a bridleway and dismantled railway line (SU473592) [F]. My final visit was on 17 July to The Chase, beating and sweeping as before [G]. I also discovered a patch of stonecrop, *Sedum* spp. (Crassulaceae), on the wide verge of a road corner (SU461606), and sampled it with my vacuum cleaner [H].

There were also some unpublished records in my voucher specimen collection: 3 August 2010, Fleet Pond Nature Reserve, Fleet, sweeping ericaceous heath (SU824553) [I] and beating birch, *Betula* spp. (Betulaceae) (SU825550) [J]; and 18 July 2011 sweeping at The Chase [K].

The new vice-county records for North Hampshire (VC12), listed below, include three species new to Ryan's list for Hampshire as a whole (*Macrolophus pygmaeus* (Rambur), *Psallus albicinctus* (Kirschbaum) and *Psallus helenae* Josifov) and two species restored to the list, having been deleted due to the known records being insufficiently precise to be allocated to a particular vice-county (*Drymus ryeii* Douglas & Scott and *Macrolophus rubi* Woodroffe).

ACANTHOSOMATIDAE

*Elasmostethus interstinctus* (Linnaeus) [C]

SCUTELLERIDAE

*Eurygaster testudinaria* (Geoffroy) [A]

PENTATOMIDAE

*Dolycoris baccarum* (Linnaeus) [A]

*Palomena prasina* (Linnaeus) [A]

PENTATOMIDAE (*CONTINUED*)

- Piezodorus lituratus* (Fabricius) [A]
- Picromerus bidens* (Linnaeus) [G]
- Pentatoma rufipes* (Linnaeus) [G]

COREIDAE

- Coreus marginatus* (Linnaeus) [A] [C]
- Coriomeris denticulatus* (Scopoli) [C]

LYGAEIDAE

- Cymus melanocephalus* Fieber [A]
- Drymus ryeii* Douglas & Scott [A]
- Ischnodemus sabuleti* (Fallén) [F]
- Kleidocerys resedae* (Panzer) [A] [C]
- Lasiosomus enervis* (Herrich-Schaeffer) [C]
- Scolopostethus affinis* (Schilling) [F]
- Scolopostethus thomsoni* Reuter [F]

BERYTIDAE

- Metatropis rufescens* (Herrich-Schaeffer) [A]

TINGIDAE

- Acalypta carinata* (Panzer) [D] [B]
- Acalypta parvula* (Fallén) [H]

NABIDAE

- Nabis ericetorum* Scholtz [I]
- Nabis rugosus* (Linnaeus) [C] [F]

ANTHOCORIDAE

- Anthocoris confusus* Reuter [E] [F] [G]
- Anthocoris nemorum* (Linnaeus) [F]

MIRIDAE

- Amblytylus nasutus* (Kirschbaum) [C] [F]
- Asciodema obsoleta* (Fieber) [G]
- Atractotomus mali* (Meyer-Dür) [F]
- Bryocoris pteridis* (Fallén) [G]
- Campyloneura virgula* (Herrich-Schaeffer) [G]
- Capsus ater* (Linnaeus) [A] [F]
- Charagochilus gyllenhalii* (Fallén) [F]
- Chlamydatus evanescens* (Boheman) [H]
- Closterotomus norwegicus* (Gmelin) [F]
- Closterotomus fulvomaculatus* (De Geer) [F]
- Compsidolon salicellum* (Herrich-Schaeffer) [G]
- Cyllecoris histrionius* (Linnaeus) [A]
- Deraeocoris flavilinea* (A. Costa) [F]
- Deraeocoris lutescens* (Schilling) [C]
- Dicyphus errans* (Wolff) [F]
- Dicyphus stachydis* J. Sahlberg [F]
- Heterotoma planicornis* (Pallas) [G]
- Leptopterna dolabrata* (Linnaeus) [F]
- Liocoris tripustulatus* (Fabricius) [F]
- Lygocoris pabulinus* (Linnaeus) [F] [G]
- Macrolophus pygmaeus* (Rambur) [F]

MIRIDAE (CONTINUED)

*Macrolophus rubi* Woodroffe [G] [K]  
*Mecomma ambulans* (Fallén) [C] [G]  
*Megaloceroea recticornis* (Geoffroy) [F]  
*Monalocoris filicis* (Linnaeus) [G]  
*Neolygus contaminatus* (Fallén) [C]  
*Neolygus viridis* (Fallén) [G]  
*Notostira elongata* (Geoffroy) [C]  
*Orthonotus rufifrons* (Fallén) [F] [G] [K]  
*Orthops campestris* (Linnaeus) [F]  
*Orthotylus prasinus* (Fallén) [G]  
*Phylus melanocephalus* (Linnaeus) [E] [A]  
*Phytocoris longipennis* Flor [G]  
*Pithanus maerkelii* (Herrich-Schaeffer) [A] [F]  
*Plagiognathus arbustorum* (Fabricius) [C] [F]  
*Plagiognathus chrysanthemi* (Wolff) [G]  
*Psallus albicinctus* (Kirschbaum) [A]  
*Psallus falleni* Reuter [J]  
*Psallus helenae* Josifov [G]  
*Psallus mollis* (Mulsant & Rey) [E]  
*Psallus perrisi* (Mulsant & Rey) [A] [G]  
*Psallus variabilis* (Fallén) [F]  
*Psallus varians* (Herrich-Schaeffer) [A] [E] [G]  
*Psallus wagneri* Ossiannilsson [E]  
*Stenodema calcarata* (Fallén) [C]  
*Stenodema laevigata* (Linnaeus) [A] [C]  
*Stenotus binotatus* (Fabricius) [F]

SALDIDAE

*Chartoscirta cincta* (Herrich-Schaeffer) [G]  
*Saldula saltatoria* (Linnaeus) [G]

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## SOME RECORDS OF HEMIPTERA-HETEROPTERA FROM HERTFORDSHIRE (VC20)

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### A VC20 record of *Graptopeltus lynceus* (Fabricius) (Lygaeidae) from 1925

In the previous issue (Gray, 2015), I described the recent discovery of *Graptopeltus lynceus* (Fabricius) at Waterford Heath in VC20, which I suspected to be a first record for the county. After the publication of that report, Trevor James (Archivist for the Hertfordshire Natural History Society) kindly sent me a list of old records that he had obtained from the Biological Records Centre database. Many of these records had been manually extracted by John Widgery (my predecessor as terrestrial Heteroptera county recorder for VC20) from a long series of papers published during the 1970s and 1980s in the *London Naturalist*, which was compiled by Eric Groves. Among the dataset I was sent was a lone VC20 record for *Graptopeltus lynceus* (Fabricius) from Watford (TQ09) on 1 February 1925 (details of other significant species in the dataset are described at the end of this report).

It is also worth adding here that I returned to Waterford Heath on 19 July 2015 and found another adult *Graptopeltus lynceus* (Fabricius), as well as several larvae that I presume to be nymphs of the species. The nymphs were swept off Viper's-bugloss *Echium vulgare* (Linnaeus), Mullein *Verbascum* sp., and Houndstongue *Cynoglossum officinale* Linnaeus.

### Two probable new species for VC20 recorded at Amwell Nature Reserve

On 15 August, two colleagues and I spent the day surveying invertebrates at Amwell Nature Reserve as part of the meeting schedule of the newly formed Herts Invertebrate Project. After completing our planned recording, we decided, on a whim, to extend the day by half an hour to run our sweep-nets over a sparsely vegetated sandy and gravelly area that we had not surveyed before. It was a good decision, as within the same 10-metre square we collected specimens of two species presumed to be county firsts. One was *Nysius huttoni* F.B. White (Lygaeidae), which both Phil Ball and I swept off low herbage (my determination of the species was confirmed by Jim Flanagan). The other was *Rhopalus parumpunctatus* Schilling (Rhopalidae), swept off low herbage by Phil Ball (my determination of this species was confirmed by Tristan Bantock).

### Further updates to the *Atlas of the Hemiptera-Heteroptera of the British Isles*

The same dataset that contained the *Graptopeltus lynceus* (Fabricius) record from 1925, described above, also contains four other species that need to be added to the *Atlas of the Hemiptera-Heteroptera of the British Isles* (Ryan, 2014a & 2014b): *Acompocoris alpinus* Reuter (Anthocoridae), based on a lone record from Royston (TL33) on 26 May 1917; *Cimex pipistrelli* Jenyns (Cimicidae), based on a lone record from Royston (TL33) in May 1920; *Fieberocapsus flaveolus* (Reuter) (Miridae), based on a lone record from Broxbourne (TL30) on 18 September 1909; *Loricula distinguenda* (Reuter) (Microphysidae), based on a lone record from Barnet (TQ29) in August 1885.

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## SPECIES ACCOUNTS FOR THE HEMIPTERA-HETEROPTERA REPORTED AS NEW TO THE BRITISH ISLES SINCE SOUTHWOOD & LESTON (1959): 1970 TO 1979

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### Introduction

This is the second instalment of species accounts which expand upon the addendum to Southwood & Leston (1959) (Ryan, 2012). The first instalment (Ryan, 2015c) covered the species announced as new to the British Isles in the period 1959 to 1969, which is here extended by another ten years to 1979. As before, the species accounts are based upon details published in the national entomological literature up to the present time.

The numbering of the species follows Ryan (2012), which places them within the taxonomic sequence of Southwood & Leston (1959). Details of identification are given, but figures from published articles are not reproduced. A full set of keys is provided by Nau (2012) and Kirby (2015). Images for the bugs may be found at the British Bugs website ([www.britishbugs.org.uk](http://www.britishbugs.org.uk)) and elsewhere on the internet, such as Flickr ([www.flickr.com](http://www.flickr.com)). County distribution maps for the new species are given in Figure 1. References are not cited within the species accounts, to avoid cluttering the prose. The evidence base for the accounts is instead given in the annotated bibliography.

### Species accounts

#### 130C. *Macroplox preyssleri* (Fieber) (Lygaeidae)

This species was first reported from Britain in June 1968 by W. R. Dolling during a visit to Brean Down, Somerset, a locality where the rare plant White Rock-rose, *Helianthemum apenninum* (L.) Mill. (Cistaceae), is abundant. The insect was found at the roots of thyme and by sweeping low herbage. Later, it was found that M. G. Morris had also taken the animal at Dolebury Warran in the Mendips, Somerset, earlier that year on 25 May. On this occasion, the method of capture was vacuum sampling a steep, south-facing limestone hillside with abundant Common Rock-rose, *Helianthemum nummularium* (L.) Mill.

The insect has subsequently been taken at several sites on the limestone of the Gloucestershire Cotswolds and the Gower Peninsula, Glamorgan; on steep slopes by sweeping, sieving moss and ground litter or searching under rock-rose. This plant is believed to be the host, and captures of adults have occurred in April, May, June and September, suggesting that the bug overwinters in this state.

The only other British members of the subfamily Oxycareninae are two species of *Metopoplax* Fieber. These insects are of a similar size, but *M. preyssleri* is broadened posteriorly and appears pear-shaped, whereas *Metopoplax* is more elongate and parallel-sided. Given the differences in anatomy and habitat, it is unlikely that the genera have been confused by recorders.

#### 303A. *Tupiocoris rhododendri* (Dolling) (Miridae), formerly *Dicyphus rhododendri* Dolling and *Neodicyphus rhododendri* (Dolling)

This animal was reported as new to science by W. R. Dolling from adults taken in June, July and August 1971 from *Rhododendron* L. (Ericaceae) at Kew Gardens, Surrey and Silwood Park, Sunninghill, Berkshire. The insect was already widely distributed, with records quickly following for Bedfordshire, Hertfordshire, Buckinghamshire and Kent, all on the same plant.

Since then, the counties of Oxfordshire, Cornwall, Derbyshire and Shropshire have been added to its known distribution. The bug has been reported feeding on the aphid *Masonaphis* Hille Ris Lambers (Aphididae). The nymphs can be found in June.

The species is distinctive and is unlikely to be confused with any other on the British list. It differs from *Campyloneura virgula* (Herrich-Schäffer) (Miridae), with which it often occurs on *Rhododendron*, by its black pronotum and apex to the cuneus, which are both red in the latter species.

188A. *Temnostethus tibialis* Reuter (Anthocoridae)

The first British record for this species was reported by G. E. Woodroffe, from a single specimen found on the trunk of a fallen oak, *Quercus* sp. (Fagaceae), at Silwood Park, Sunninghill, Berkshire on 3 July 1964. A second specimen was taken by Woodroffe, beating oak in Pamber Forest, Hampshire on 25 June 1970. A third record was provided by A. A. Allen, taking a singleton from a sap run on the trunk of an oak at Oxleas Wood, Shooters Hill, Kent on 9 July 1986. No other field reports of this species have been published in the national entomological literature, although a specimen has been found in a museum collection, taken on 4 October 1929 from Celbridge, Kildare, Ireland.

The bug has a superficial similarity to *Temnostethus gracilis* Horváth, but can easily be separated from this species by examination of the rostrum. This reaches the hind coxae in the former and the mid-coxae in the latter. Although *T. pusillus* and *T. gracilis* have been confused in Britain in the past, it is very unlikely that there has been subsequent confusion with *T. tibialis*, that would cast doubt on records of the first two species, given the last's distinct anatomy and rarity.

203A. *Orius laticollis* (Reuter) (Anthocoridae)

In 1971 it was reported that during a visit to the British Museum (Natural History), Dr. Jean Péricart discovered that specimens standing in collections as *Orius minutus* (Linnaeus) were in fact *Orius vicinus* (Ribaut). G. E. Woodroffe subsequently found the same situation in his own collection, except there was an additional species present, *Orius laticollis* (Reuter). *O. vicinus* is mentioned in Southwood & Leston (1959), albeit as a foreign introduced species, but *O. laticollis* had not previously been recorded from the British Isles. Woodroffe's specimens of *O. laticollis* had been taken from Dungeness, Kent on 29 September 1958. Two more specimens were found in material from the late A. M. Massee, taken from Aylesford, Kent on 21 October 1956.

Subsequent recording has added a number of counties to the English distribution, which now extends as far west as Gloucestershire and as far north as Yorkshire. The insect has also been recorded from Ireland. It has been found on a variety of tree species, specifically poplar, *Populus* spp. (Salicaceae), willow, *Salix* spp. (Salicaceae), ash, *Fraxinus* spp. (Oleaceae), and rowan, *Sorbus aucuparia* L. (Rosaceae); and adults have been taken in every month from May to October.

Given that *O. minutus* has been replaced in the British list by two different species, both of which have a widespread distribution, all records for *O. minutus* must be disregarded, unless supported by a specimen that can be identified. The separation of these two species is by examination of the male genitalia. In *O. vicinus* the spiraparamere has a broad conus and a short flagellum, whereas *O. laticollis* has a narrow conus and long flagellum.

276A. *Atractotomus parvulus* Reuter (Miridae), formerly *Atractotomus mirificus* Woodroffe

G. E. Woodroffe was the first to record this species in the British Isles, taking it beating pine, *Pinus* spp. (Pinaceae), on heathland near Thursley, Surrey on 11 July 1970. It was immediately apparent to him that this bug was distinct from the conifer inhabiting *Atractotomus magnicornis* (Fallén), due to its smaller and darker appearance, and the fact that the latter species had not been taken by him from pine.

*A. parvulus* has since been reported from the additional counties of Berkshire, Sussex, Hampshire, Essex, Bedfordshire and Oxfordshire. It has also been recorded from Scotland. The species has been found on pine and at light, in the months of July and August.

No confusion has been reported among specimens standing as *A. magnicornis* in collections, and presumably *A. parvulus* is sufficiently distinct so as not to cast doubt upon earlier records for the former. The identity of specimens can be confirmed by examination of the aedeagus. The secondary gonopore is at the apex in *A. magnicornis*, and remote from the apex in *A. parvulus*.

364A. *Orthops basalis* (A. Costa) (Miridae)

The first British record for this insect was by G. E. Woodroffe from Loch Davan, near Dinnet, Aberdeenshire on 25 August 1971, taken from Wild Angelica, *Angelica sylvestris* L. (Apiaceae), growing in a clearing in an alder carr beside the loch. A subsequent examination of the collections of the British Museum (Natural History) revealed several more specimens from English locations, in Herefordshire, Hertfordshire and Dorset, standing as *Orthops kalmii* (Linnaeus). Several specimens of *Orthops campestris* (Linnaeus) had also been misidentified.

Subsequent recording has added the counties of Shropshire, Worcestershire, Oxfordshire, Berkshire, Kent and Sussex; the months of May and September for the adult appearance; and Sea Holly, *Eryngium* spp. (Apiaceae), and Wild Carrot, *Daucus carota* L. (Apiaceae), as plants from which the insect has been taken. The bug also occurs in Ireland.

The three species of *Orthops* Fieber can be separated by examination of the male genitalia. The difference between *O. basalis* and *O. kalmii* is slight, but here the ratio of the length of the third antennal segment to the head width can be used. The segment is longer in the former than in the latter. Since the three species of *Orthops* have clearly been confused, old records should be considered doubtful, unless supported by an authenticated specimen.

#### 415A. *Notostira erratica* (Linnaeus) (Miridae)

It was once thought that all *Notostira* Fieber in the British Isles were of this species, but Southwood & Leston (1959) pointed out that these were in fact *Notostira elongata* (Geoffroy). However, in 1977 G. E. Woodroffe reported that all Irish specimens are true *N. erratica*, and further that two British examples of this species had been found in the collections of the British Museum (Natural History) by W. R. Dolling, taken at Mildenhall, Wiltshire. There were no further British records until October 2013 when B. Nelson took a singleton in Oxfordshire. Subsequent field work by R. P. Ryan showed that the insect could be readily found, providing new county records for Berkshire, Buckinghamshire, Warwickshire, Gloucestershire and Northamptonshire.

The adult insect has been recorded in every month from June to October, and seems to prefer the grassy margins of roads, tracks and fields to open grassy areas.

The species can be distinguished from its congener by examination of the left paramere. Given that Southwood & Leston and Woodroffe concluded that the species was absent or rare in Britain, it is likely that the bug has only recently become common in this island, and old records can therefore be regarded as *N. elongata*. However, it is uncertain for how long the species has been overlooked.

#### 286A. *Campylomma annulicorne* (Signoret) (Miridae), formerly *Campylomma annulicornis* (Signoret)

This species was first reported from Britain by B. S. Nau, having taken it from Osier, *Salix viminalis* L. (Salicaceae), at several sites in Bedfordshire in September 1978. Subsequently, it was reported that specimens had also been taken by A. A. Allen from Charlton, London (Kent) in July 1976 at light. Further records have added the counties of Hertfordshire, Gloucestershire and Oxfordshire to its known distribution.

The two British species of *Campylomma* Reuter can be distinguished by the length of the rostrum. In *Campylomma verbasci* (Meyer-Dür) it reaches the hind coxae, whereas in *C. annulicorne* it is shorter, reaching only the mid coxae.

#### 290A. *Placochilus seladonicus* (Fallén) (Miridae)

B. S. Nau was the first to take this species in Britain, sweeping the animal from a filled sandpit, near Leighton Buzzard, Bedfordshire on 3 September 1977. Further specimens were taken in the following year from the same area, along a disused railway line and from an old chalk quarry.

The bug is associated with Field Scabious, *Knautia arvensis* (L.) Coult. (Dipsacaceae), where it grows in dry places. Further county records have been reported for Berkshire, Hertfordshire (along a lane verge), Oxfordshire (along a Chilterns farm track) and Sussex (on coastal chalk downland and by a roadside), adding the months of July and August to the adult appearance. The insect is usually taken from its host plant, but it has also come to light in a garden.

The insect is very distinctive and is unlikely to be confused with any other British species.

### Annotated bibliography

#### 130C. *Macroplox preyssleri* (Fieber) (Lygaeidae)

Dolling (1970). First record for Brean Down, Somerset, early June 1968, at roots of thyme and sweeping low herbage. The species' host plant is Common Rockrose, *Helianthemum chamaecistus*, but *Helianthemum apenninum*, White Rockrose, was much more common here. Another record at

- Dolebury Warran in the Mendips, Somerset, 25 May 1968 by Dr. M. G. Morris, vacuum sampling a steep, south-facing limestone hillside with abundant Common Rockrose.
- Askew (1985). Records for Rodborough Common, Gloucestershire Cotswolds, sweeping on 20 June 1983 & the cliffs east of Horton, Gower Peninsula searching under rockrose on 25 September 1983. Both sites were steep, south-facing, limestone slopes with plentiful Common Rock-rose.
- Alexander (1987). Record for Rodborough Common, Gloucestershire Cotswolds, 30 May 1986, swept from steep limestone pasture.
- Alexander (1989). Record for Daneway Banks, Cotswolds Hills, Gloucestershire, 28 June 1989, sieving moss and grass litter on a steep south-east facing bank. Common rock rose was plentiful, which is believed to be the host plant. Record for Radborough Common, Gloucestershire, 30 May 1985, swept from a south-west facing slope. Previous reports from Mendip limestone, so may be widespread on limestone in south-west Britain.
- Alexander (1998). Record for Swift's Hill, Gloucestershire, 20 April 1997.
- Gibbs (2000). Record for Goblin Combe, Somerset, 9 June 1999. Species is confined to Gloucestershire, Somerset and Glamorgan.
- Howe (2007). Associated with common rock-rose on coastal limestone grassland at Horton Cliffs and Overton Cliff on the south Gower coast, Wales.
- Widgery (2008). First record in 1983 at Rodborough Common, then in 1989 & 2003 at Daneway Banks (West Gloucestershire, VC34).

303A. *Tupiocoris rhododendri* (Dolling) (Miridae), formerly *Dicyphus rhododendri* Dolling and *Neodicyphus rhododendri* (Dolling)

- Dolling (1971). Species new to science. Records for Kew Gardens, Surrey (30 June, 3 July & 2 August 1971), Silwood Park, Berkshire (5, 7 & 27 July 1971), Aspley Heath, Bedfordshire, Harpenden, Hertfordshire & Slough, Buckinghamshire. All records from rhododendron. The species may be distinguished by the white collar and short curved claws. Seen feeding on the aphid *Masonaphis*. Nymphs appeared in June and the first adults in late June-early July, and lasted a month.
- Allen (1976). Record for Maryon Wilson Park, Charlton, Kent, 6 August 1974 on rhododendron.
- McGavin (1982). Species reassigned to *Neodicyphus* McGavin. Records of 5th instar nymphs for Silwood Park, Berkshire (3 July 1977) & 2nd/3rd instar (26 June 1977).
- Kirby (1983). Records for Markeaton Park (29 July 1981) and Darley Park (4 August 1981), Derby on rhododendron.
- Campbell (2004). Records for Watsonian Oxfordshire and Berkshire.
- Denton (2004). Record for Oswestry Old Racecourse, Shropshire, 26 July 2004. Adults abundant on *Rhododendron ponticum* in a garden.
- Budworth (2008). First county record in the 3rd week of July 2008 at Alfreton Park, Derbyshire.
- Campbell (2008). Records for Bagley Wood, Watsonian Berkshire, 1992 and Eynsham Hall Park, Watsonian Oxfordshire, 1985.
- Alexander (2011). Record from near Mylor, Cornwall (VC1), August 2010.

188A. *Temnostethus tibialis* Reuter (Anthocoridae)

- Woodroffe (1964). Record for Silwood Park, Sunninghill, Berkshire, 3 July 1964, from the trunk of a fallen oak. No other examples have been taken in 15 years of intensive collecting here.
- Woodroffe (1971c). Record for Pamber Forest, North Hampshire, 25 June 1970, beaten from an oak.
- O'Connor (1989). Record from a museum specimen standing as *T. pusillus*, Celbridge, Kildare, 4 October 1929.
- Allen (1990). Record for Oxleas Wood, Shooters Hill, West Kent, 9 July 1986, on a sap run on the trunk of an oak tree. Further checks on the tree produced no more specimens. The species can be distinguished from *T. gracilis* by the longer rostrum, reaching the hind coxae, rather than the mid-coxae.

203A. *Orius laticollis* (Reuter) (Anthocoridae)

- Woodroffe (1971a). Dr. Jean Péricart discovered that all specimens in the British Museum (Natural History) standing as *Orius minutus* were *O. vicinus*. Woodroffe found that the specimens of his



- own collection standing as *O. minutus* comprised two species, *O. vicinus* and *O. laticollis*. The latter specimens had been taken from Dungeness, Kent on 29 September 1958. Two more specimens were found in material from the late A. M. Masee, taken from Aylesford, Kent on 21 October 1956. The two species are distinguished by the form of the spiraparamere. In *O. vicinus* the conus is broad and the flagellum is short, compared with *O. laticollis* which has a narrow conus and long flagellum.
- Nau (1984a). Adds county records for Hampshire, Isle of Wight, Oxfordshire, Northamptonshire and Essex.
- Alexander (2006). Record for Ashleworth Ham, Gloucestershire, 4 August 2002. Species associated with larger trees of poplar, willow and ash. Record for Debdene, Cotswold Hills, Gloucestershire, 17 June 2000.
- Waring (2007). Record for Whipsnade Wild Animal Park, Dunstable, Bedfordshire, 7 May 2005 from rowan.
- Dolling (2007). Record for Rotherham, South-west Yorkshire (VC 63), July 2006, on riverside willows.
- Campbell (2008). Records for Sutton Courtenay, Watsonian Berkshire, 1992 and Cropedy, Watsonian Oxfordshire, 1984.
- O'Connor & Nelson (2012). Report from Ireland.
- 276A. *Atractotomus parvulus* Reuter (Miridae), formerly *Atractotomus mirificus* Woodroffe  
 Woodroffe (1971b). First record beating pine on heathland near Thursley, Surrey, 11 July 1970. Immediately recognisable as distinct due to its smaller and darker appearance, compared with the other conifer-associated member of the genus, *A. magnicornis*, which Woodroffe had not taken on pine. More taken on a return visit two days later. The two species can be separated by examination of the aedeagus. The secondary gonopore is at the apex in *A. magnicornis*, and remote from the apex in *A. parvulus*.
- Woodroffe (1974). Record for Ascot, Berkshire, 21 August 1974 at light.
- Nau (1984b). Record for Essex on 25 August 1984.
- Hodge (1985). Record for Ringmer, Lewes, Sussex, 1984, at light.
- Lattin & Ozanne (1994). Record for Markway Enclosure, New Forest, Hampshire, 11 August 1986 on Scots Pine. *A. mirificus* Woodroffe is a synonym for *A. parvulus* Reuter.
- Nau (1995). Reports that the species is widespread and common in Britain, occurring as far north as Easter Ross in Scotland. It is well established in Bedfordshire.
- Campbell (2008). Records for Whitecross Green Wood, Oxfordshire (probably Watsonian Buckinghamshire), 1984 and Watsonian Oxfordshire.
- 364A. *Orthops basalis* (A. Costa) (Miridae)  
 Woodroffe (1971d). Repeat of record below.
- Woodroffe (1973a). First British record from Loch Davan, near Dinnet, Aberdeenshire, 25 August 1971, in large numbers on *Angelica sylvestris* growing in a clearing in an alder carr beside the loch. The bugs were distinctive in their very dark appearance. The dark bug was also found elsewhere in Deeside, at Glen Tanar, Crathie Wood and Cambusomay. The collections of the British Museum (Natural History) were searched for the species. 34 specimens standing as *O. kalmii*, all but one from England, were found to include 11 *O. basalis* and 6 *O. campestris*. So, the species of *Orthops* have been confused. The only certain character for separation is the left paramere, but the difference between *O. kalmii* and *O. basalis* is slight. The ratio head-width:A3 could separate *O. basalis* from the others, but was not completely reliable for separating the other two species from each other. Numerous county records are presented for the three species, including the English counties of Herefordshire, Hertfordshire and Dorset for *O. basalis*.
- Woodroffe (1973b). Record for roadside near Castletown, Caithness, late July/early August, on hogweed. The same dark form as above.
- Campbell (2008). Records for Frilford, Watsonian Berkshire and Lambs Pool, Watsonian Oxfordshire, 1988.
- Hodge (2013). Record for Brighton, East Sussex, 8 September 2012, swept off wild carrot, *Daucus carota*.

Whitehead (2006). Record for Little Comberton, Worcestershire on *Eryngium* in a garden.  
 O'Connor & Nelson (2012). Record for Ireland.  
 Greenslade (2013). Record for Kent.  
 Fowler (2014). Record for Halesfield, Telford, Shropshire in May.

415A. *Notostira erratica* (Linnaeus) (Miridae)

Woodroffe (1977). It was once thought that all *Notostira* Fieber in the British Isles were of this species, but Southwood & Leston (1959) pointed out that British insects were in fact *Notostira elongata* (Geoffroy). However, in 1977 G. E. Woodroffe reported finding that all Irish specimens are true *N. erratica*, and further that two British examples of this species had been found in the collections of the British Museum (Natural History) by W. R. Dolling. These latter specimens were female, which are less easily identified than the males, from Mildenhall, Wiltshire. The only certain character for separating the two species is the shape of the left paramere.

Nelson (2014). Single male taken from Bald Hill, Oxfordshire Chilterns in October 2013.

Ryan (2015a). Records for Oxfordshire, Berkshire and Buckinghamshire. Capture of 71 specimens, on 24 June, 7 July, 24 August, 4, 6, 10, 17 & 18 September 2014. Clearly, the species is no longer rare in Britain. It is uncertain for how long it has been overlooked in this island.

Ryan (2015b). A search for specimens in a private collection found none among 52 male *Notostira*.

Ryan (2015d). Additional county records for Warwickshire, Gloucestershire and Northamptonshire in September 2015. Captured 69 specimens in the year, all from road/track verges and field margins, where it occurs as a much higher proportion of the *Notostira* catch than from open grassy areas.

286A. *Campylomma annulicorne* (Signoret) (Miridae), formerly *Campylomma annulicornis* (Signoret)

Nau (1978). First British record swept from a field near Potton, Bedfordshire, 3 September 1978. More records from the bank of a flooded gravel pit near Langford, Bedfordshire on 17 & 20 September 1978; and from the River Ivel at Broom, Bedfordshire, 20 September 1978. All records taken from *Salix viminalis*. The bug keys out as *C. verbasci* in Southwood & Leston (1979).

Allen (1984). Record for Charlton, London, SE7 (Kent) at light, July 1976.

Widgery (2006). Record for Hertfordshire on willows in 2005; and at Rye Meads in September 1979.

Campbell (2008). Record for Lower Windrush Gravel Pits, Watsonian Oxfordshire, 1985.

Widgery (2008). Reports four sites in Gloucestershire in 2007.

290A. *Placochilus seladonicus* (Fallén) (Miridae)

Nau (1978). First British record from a filled sandpit, near Leighton Buzzard, Bedfordshire, 3 September 1977, sweeping tall vegetation. Another record from an adjacent disused railway line, 8 September 1978; and several more specimens the following day found shaking Field Scabious over a tray. Also found 10km east in an old chalk quarry. The bug prefers dry places. The insect keys out to *Asciodema* in Southwood & Leston (1959).

Hawkins (1989). Record for Woodhouse Farm, Oxfordshire Chilterns, 9 August 1986, on Field Scabious beside a farm track.

Hodge (1990a). Record for Cow Gap, Beachy Head, East Sussex, 18 July 1989, in large numbers on Field Scabious on chalk downland. A return visit on 30 August 1989 found none.

Hodge (1990b). Repeat of above record.

Hodge (1991). Record for Beddingham, East Sussex, 17 July 1990, abundant on *Knautia arvensis* by a roadside.

Nau (1994). Record for Hexton, Hertfordshire, a lane verge near Pegsdon Hills on 11 July 1992.

Campbell (2008). Records for Buckland, Watsonian Berkshire, 1993 and Wood House Farm, Watsonian Oxfordshire, 1986.

Nau (2010). Record for Cockayne Hatley, Bedfordshire, 31st July 2009, at light in a garden.

Campbell (2011). Record for Watsonian Berkshire.

Nau (2013). Record for Pegsdon Common, Bedfordshire, 18 August 2012, on Field Scabious. It used to be found about 1km to the south, in a large coombe in Pegsdon Hills but grazing has eliminated the host-plant there.

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FIGURE 1. The county distributions of the described species (Ryan, 2014 a & 2014b).

# NEW PLANT ASSOCIATIONS FOR *MEGACOELUM INFUSUM* (HERRICH-SCHAEFFER) (MIRIDAE) WITH COMMENTS ON ITS IDENTIFICATION

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There are two species of *Megacoelum* Fieber that occur in the British Isles: *Megacoelum infusum* (Herrich-Schaeffer) associated with oak, *Quercus* spp. (Fagaceae), and *Megacoelum beckeri* (Fieber) associated with pine, *Pinus* spp. (Pinaceae) (Southwood & Leston, 1959). These are very similar in general appearance, and Southwood & Leston separate them on the basis of the length and density of the hairs on the inner margins of the hind tibiae.

Unfortunately, in my own collecting, I have found this feature to be highly variable, and I could not confidently assign my specimens to species on this basis. So, I rather lazily relied on host plant association, identifying specimens based upon the species of tree from which they had been taken. However, I knew that if I ever took specimens where oak and pine were adjacent to each other, I would not be able to identify them beyond genus.

This situation became more unsatisfactory when I reared *Megacoelum* Fieber from a nymph taken on Lawson Cypress, *Chamaecyparis lawsoniana* (Murr.) Porlatore (Cupressaceae), in Abingdon Cemetery (National Grid Reference SU485976) on 12 August 2015. Five days later, I took another nymph on Lawson Cypress in Aylesbury Cemetery (SP829135) and then, the following day, several more nymphs, with adults, on the same host in the cemetery of Royal Leamington Spa (SP321642). Of which species were these bugs? Were they *M. infusum* straying from oak, or *M. beckeri* straying from pine?

Clearly, I had to improve my identification of this genus, and I consulted Wagner & Weber (1964). This text, like Southwood & Leston, separated *M. infusum* and *M. beckeri* on the basis of tibial hairs, but also figured the genitalia of the two species, showing clear differences. A dissection of the males in my collection of voucher specimens showed that they were all *M. infusum*, including one taken on pine. I was forced to conclude that host plant association was not a reliable method for separating the two species, and in particular that bugs taken on pine were not necessarily *M. beckeri*. It was also clear that I had no evidence of ever having encountered *M. beckeri*.

The records from my voucher specimens of *Megacoelum* are detailed below.

## Beating pine on sandy heathland :-

Wildmoor Heath, Crowthorne, Berkshire (VC22): 15 August 2006 (SU845631), 1♀; 23 August 2008 (SU845631), 1♀. [Previously reported as *M. beckeri* (Ryan, 2014, *Hemipterist* 1: 36-37)]  
Chobham Common, Chobham, Surrey (VC17): 15 August 2006 (SU968652), 1♂ + 2♀♀; 3 August 2010 (SU976656), 1♀.  
Witley Common, Witley, Surrey (VC17): 27 August 2010 (SU923400), 1♀.  
Hankley Common, Rushmoor, Surrey (VC17): 31 August 2010 (SU880414), 1♀.

## Beating oak in various situations :-

University Parks, Oxford, Oxfordshire (VC23): 16 August 2006 (SP516073), 1♂ + 6♀♀; 18 August 2006 (SP516073), 2♂♂ + 2♀♀; 14 September 2007 (SP519071), 1♀; 21 August 2015 (SP513072), 1♀.  
New Marston Meadows, Oxford, Oxfordshire (VC23): 28 August 2014 (SP518080), 2♀♀.  
Hitchcopse Pit, Dry Sandford, Watsonian Berkshire (VC22): 11 September 2007 (SU452996), 1♀; 15 August 2009 (SU453997), 2♂♂.  
Moor Copse, near Pangbourne, Berkshire (VC22): 02 August 2009 (SU638739), 1♀.

## Beating Lawson Cypress in cemeteries :-

Abingdon, Watsonian Berkshire (VC22): 12 August 2015 (SU485976), 1♀.  
Aylesbury, Buckinghamshire (VC24): 17 August 2015 (SP829135), 1♀.  
Royal Leamington Spa, Warwickshire (VC38): 18 August 2015 (SP321642), 3♂♂ + 2♀♀.

There is a report of *M. beckeri* occurring on conifers other than pine (Denton, 2011), but a literature search revealed that pine and Lawson Cypress are new plant associations for *M. infusum* in Britain. The presence of nymphs confirms Lawson Cypress as a host, but my male from pine was taken as an adult, so it is not clear whether *M. infusum* actually breeds on this plant.

I am most grateful to Dr Berend Aukema and Mr Bill Dolling for their helpful comments during my research on this subject.

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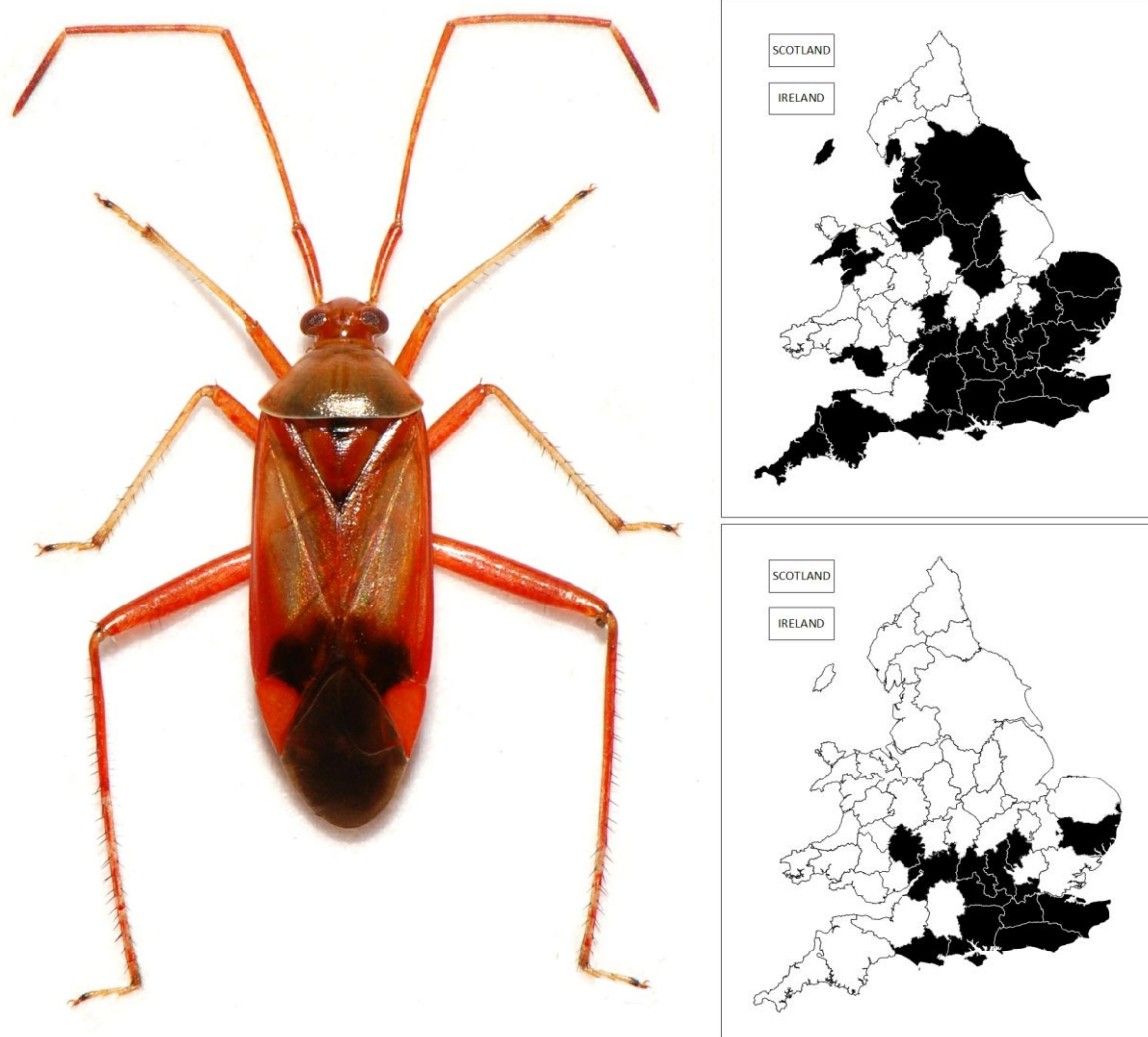


FIGURE 1. A female *Megacoelum* taken from oak (left) and the county distributions of *M. infusum* (top right) and *M. beckeri* (bottom right) (Ryan, 2014a & 2014b).



## MUD SWEEPING UPDATE

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I recently described a novel method for the collection of shorebugs (Hemiptera: Saldidae), which I referred to as 'mud sweeping' (Ryan, 2015). This involves walking through muddy areas swinging a sweep net to and fro over the wet ground. Hundreds of saldids were taken in 2014 with this method, comprising mostly *Saldula saltatoria* (Linnaeus) with good numbers of *Saldula pallipes* (Fabricius). However, several dozen of the scarce *Saldula opacula* (Zetterstedt) were also found, across three sites in Oxfordshire, a species which had not previously been recorded from the county.

Naturally, I was keen to experiment further with this method in 2015. Alas, I had difficulty finding new muddy areas to study; the warm, dry spring and summer possibly being to blame. There were also problems sampling again my three successful sites from the previous year. The large muddy area on New Marston Meadows, Oxford, which was the result of spoil from the dredging of a ditch being dumped on the surrounding meadow, was now well vegetated. No saldids were swept here. The margin of the lake at Stanton Harcourt, was now dry and vegetated, the water level being much lower. The new shore consisted of gravel, not mud, and no saldids were found in my sweep net.

However, my third site from 2014, a lake near Stanton St John, outside Oxford, provided good sport. The water level was much lower than last year, and the muddy shore was covered by exposed aquatic vegetation. On 30 June, I took 180 saldids here by sweeping the margins of the lake, comprising 144 *S. saltatoria*, 17 *S. pallipes* and 19 *S. opacula*. Saldids were also found by lifting the vegetation and shaking it over my sweep net. Others were seen on the exposed bare mud.

This result confirms the record of *S. opacula* at the site, and for the county. Clearly, its capture in 2014 was not due solely to particular conditions which pertained that year. It is likely that the species has hitherto been overlooked in the county due to the difficulty in recording shore bugs using normal methods; and has only now become a member of the Oxfordshire list due to the application of the novel, and somewhat eccentric, method of mud sweeping.

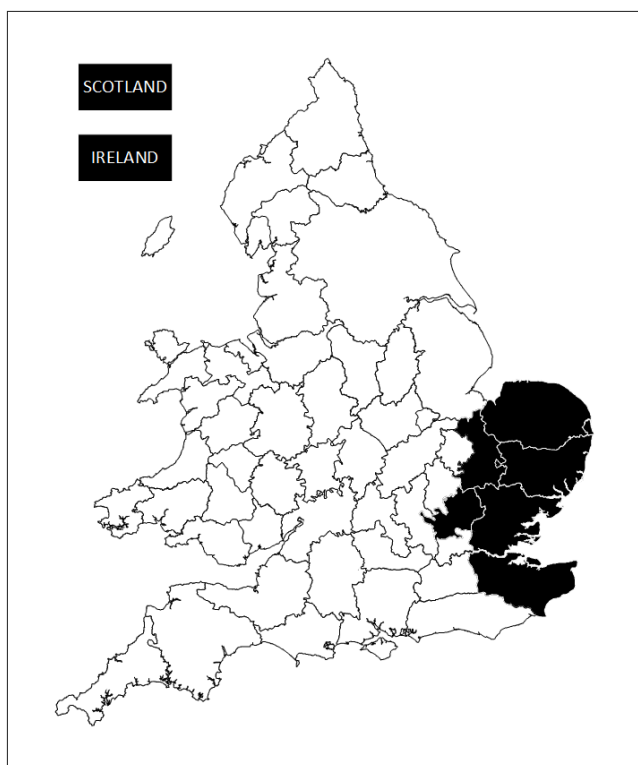


FIGURE 1. *Saldula opacula* and its county distribution (Ryan, 2014a & 2014b).





FIGURE 2. The upper lake of Stanton St John, near Oxford (30 June 2015).



FIGURE 3. The weedy margin of the upper lake, with some footprints from mud sweeping.

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## SOME INTERESTING CAPTURES OF HEMIPTERA-HETEROPTERA FROM A TURKEY OAK, *QUERCUS CERRIS* L. (FAGACEAE), IN UNIVERSITY PARKS, OXFORD

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Following the recent report of two additions to the British list, *Psallus anaemicus* Seidenstucker and *Psallus helenae* Josifov, from Turkey Oak, *Quercus cerris* L. (Fagaceae), in Peterborough (Bantock, 2015 & Kirby, 2015), I decided to investigate this plant in Oxford. Several examples of Turkey Oak occur in University Parks, one of which, along West Walk (National Grid Reference SP513072), produced some interesting captures, which I detail below.

My collecting visits to this tree started on 28 May 2015, with regular returns, but initially produced only the common oak species. However, on 20 June, I took a number of unfamiliar *Psallus* Fieber. Most of the catch proved to be teneral, but fourteen of the males could be dissected satisfactorily for identification, and these were found to consist of eleven *P. anaemicus* and three *P. helenae*. My next visit, on 26 June, produced a much larger catch, consisting mostly of mature adults. These were easily sorted into four main forms. The males mostly divided into two groups, 79 of a larger and brighter form (*P. anaemicus*), and 40 of a smaller and duller form (*P. helenae*). The females were of an entirely different appearance, revealing a pronounced sexual dimorphism in the two species. 63 were larger and very pale ('anaemic', *P. anaemicus*), and 44 were smaller and pale, suffused with red (*P. helenae*).

Five unidentified specimens remained. Three pale males were found upon dissection to be *P. anaemicus* infected with parasites. Two females were identified as *Psallus lucanicus* Wagner, from photographs sent to Dr Bernard Nau. He had already taken a male of this species in Bedfordshire, which has not previously been recorded from the British Isles. He will be publishing a full account of this new species in due course.

Examples of the forms mentioned above are shown in Figures 1, 2 & 3. *P. anaemicus* and *P. helenae* were still abundant on their host tree when I returned on 12 July. Elsewhere, I beat a singleton of *P. helenae* from a Turkey Oak at The Chase, Broad Layings, Watsonian North Hampshire (SU443629) on 17 July (Ryan, 2016).

The above records suggest that the new Turkey Oak species are already widespread in southern England, and it will be interesting to see, as more records are published, how far west and north their distributions extend within the British Isles

I am most grateful to Dr. Bernard Nau for his assistance.

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FIGURE 1. *Psallus anaemicus* male (left) and female (right).



FIGURE 2. *Psallus helenae* male (left) and female (right).





FIGURE 3. Parasitised *Psallus anaemicus* male (left) and *Psallus lucanicus* female (right).

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***NABIS PSEUDOFERUS* REMANE (HEMIPTERA: NABIDAE)  
DELETED FROM THE OXFORDSHIRE LIST**

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I recently added this species to the Oxfordshire list based upon a single specimen taken sweeping a wet meadow (Ryan, 2014a). Having since undertaken more collecting of the damselbugs (Nabidae), I no longer believe that this specimen is sufficiently distinct from those of *Nabis ferus* (Linnaeus) in my collection. Consequently, I must delete this species from the Oxfordshire list (Ryan 2014b & 2014c), pending confirmation by more captures.

**References**

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- Ryan, R. P. 2014c. An Atlas of the Hemiptera-Heteroptera of the British Isles. <https://sites.google.com/site/BritishHetBugAtlas>.

***SALDULA OPACULA* (ZETTERSTEDT) (HEMIPTERA: SALDIDAE)  
NEW TO LINCOLNSHIRE**

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Further to the recent addition of this species to the county list for Oxfordshire (Ryan, 2016), we wish to report the insect as new to Lincolnshire.

On 20/6/2014 we recorded 2 *Saldula opacula* in two locations of Willow Tree Fen, near Spalding, South Lincolnshire (VC53). The first was in a flooded field (Location 13 Field behind farm at grid ref TF175219) that had started to dry up at the edges with patches of mud and submerged grass and sedges. The second was on the edge of a flooded mere (Location 15 Mere Field at TF1758121521) with wet mud, sedges and reed edges.

We returned on 17/8/2014 and recorded another 3 also on the edge of the flooded mere in the same habitat. This time we took a photograph of the area and also managed to see them on the bare mud springing onto the water when they were disturbed. Using a pond net we then swept through the water to capture them. The records were later identified and confirmed by Richard Chadd.



FIGURE 1. Willow Tree Fen Mere (Photo: Graham Warnes)

Willow Tree Fen was purchased by Lincolnshire Wildlife Trust in 2009 as arable farmland and is currently being transformed into more traditional Lincolnshire fenland.

4/5 years on Richard Chadd had asked us to undertake an Aquatic Invertebrate Survey comprising of 1 visit in 2013 and 4 visits in 2014 to see how the site had changed over time. Across the site, 107 aquatic invertebrate species were recorded including 21 water bug species and another first for Lincolnshire the water beetle *Hygrotus decoratus*. This site is now a great fenland habitat of ditches, flooded meadows, grazing pasture, reedbeds and shallow meres.

**Reference**

Ryan, R. P. 2016. Mud-sweeping update. *Hemipterist* 3: 68-70.

## THE DIVISION OF RYAN'S LIST OF HEMIPTERA-HETEROPTERA FOR LINCOLNSHIRE INTO VICE-COUNTY LISTS FOR VC53 AND VC54

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### Introduction

The list of Hemiptera-Heteroptera for Lincolnshire in Ryan (2014) was compiled from that of Masee (1955) with additional records from the national entomological literature published in the six decades between these two papers. Ryan did not consider local publications, in particular the *Transactions of the Lincolnshire Naturalists' Union*; and did not attempt to divide the list for Lincolnshire into separate lists for its constituent vice-counties, which are the basis of modern recording. The present paper addresses these shortcomings, adding new county records and dividing the county list into separate lists for Watsonian South Lincolnshire (VC53) and Watsonian North Lincolnshire (VC54).

The vice-county records were interpreted by taking into account the name changes and confusions over identity documented in Ryan (2012, 2013, 2014, 2015, 2016a & 2016b). The resulting vice-county lists include 566 records, compared with 207 for the original Lincolnshire list. The list for Lincolnshire as a whole has lengthened by 142, the increase arising from 146 species added to the list and four deleted from it due to the known records being insufficiently precise to be allocated to a particular vice-county.

The lists for the two vice-counties, which will appear in the next edition of the county distribution, are presented below. The species that are new to Ryan's list for Lincolnshire are marked "[NEW]", and the deleted species are marked "[DELETED]". The numbers in brackets marking some of the records relate to the references from which they were derived, as indicated in Table 1. The unmarked records are from Kirby (1988). Details of the records marked "A" are given in Appendix A, these being from a dataset provided by Colin Smith. Those marked "B" derive from a dataset supplied by Richard Chadd, details of which are given in Appendix B. I am most grateful to Colin and Richard for supplying these records and for their permission to publish those new to the vice-county lists. Thanks are also due to Allan Binding and Charlie Barnes for their help in the research for this paper.

### The divided records

#### ARADIDAE

<i>Aradus depressus</i> (Fabricius)	VC53 (A)	VC54
<i>Aneurys laevis</i> (Fabricius) [NEW]	VC53	VC54

#### ACANTHOSOMATIDAE

<i>Acanthosoma haemorrhoidale</i> (Linnaeus)	VC53 (A)	VC54
<i>Cyphostethus tristriatus</i> (Fabricius) [NEW]	VC53 (A)	VC54 (A)
<i>Elasmotethus interstinctus</i> (Linnaeus)	VC53 (A)	VC54 (A)
<i>Elasmucha grisea</i> (Linnaeus)	VC53 (A)	VC54 (A)

#### CYDNIDAE

<i>Legnotus limbosus</i> (Geoffroy) [NEW]	VC53	VC54 (A)
<i>Legnotus picipes</i> (Fallén)	-	VC54
<i>Sehirus luctuosus</i> Mulsant & Rey	VC53 (A)	VC54
<i>Tritomegas bicolor</i> (Linnaeus) [NEW]	VC53	VC54 (A)

#### THYREOCORIDAE

<i>Thyreocoris scarabaeoides</i> (Linnaeus) [NEW]	-	VC54 (A)
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## PENTATOMIDAE

<i>Aelia acuminata</i> (Linnaeus)	VC53 (A)	VC54 (11)
<i>Dolycoris baccarum</i> (Linnaeus)	VC53 (9)	VC54 (4)
<i>Eysarcoris venustissimus</i> (Schrank)	VC53 (A)	VC54 (A)
<i>Neottiglossa pusilla</i> (Gmelin) [NEW]	VC53 (A)	VC54 (A)
<i>Palomena prasina</i> (Linnaeus)	VC53 (A)	VC54
<i>Pentatoma rufipes</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Picromerus bidens</i> (Linnaeus) [NEW]	VC53 (A)	VC54
<i>Piezodorus lituratus</i> (Fabricius) [NEW]	VC53 (A)	VC54
<i>Podops inunctus</i> (Fabricius) [NEW]	VC53	VC54 (A)
<i>Rhacognathus punctatus</i> (Linnaeus) [NEW]	-	VC54
<i>Troilus luridus</i> (Fabricius) [NEW]	VC53 (A)	VC54
<i>Zicrona caerulea</i> (Linnaeus)	VC53 (A)	VC54

## COREIDAE

<i>Ceraleptus lividus</i> Stein [NEW]	VC53 (17)	-
<i>Coreus marginatus</i> (Linnaeus)	VC53 (15)	-
<i>Coriomeris denticulatus</i> (Scopoli)	VC53	VC54
<i>Leptoglossus occidentalis</i> Heidemann [NEW]	VC53 (A)	VC54 (A)
<i>Syromastus rhombeus</i> (Linnaeus) [NEW]	-	VC54

## RHOPALIDAE

<i>Chorosoma schillingii</i> (Schilling)	VC53	VC54 (A)
<i>Corizus hyoscyami</i> (Linnaeus) [NEW]	VC53 (A)	VC54 (A)
<i>Myrmus miriformis</i> (Fallén)	VC53 (A)	VC54
<i>Rhopalus parumpunctatus</i> Schilling [NEW]	-	VC54 (A)
<i>Rhopalus subrufus</i> (Gmelin) [NEW]	VC53 (A)	VC54 (A)
<i>Stictopleurus punctatonevrosus</i> (Goeze) [NEW]	VC53 (A)	VC54 (A)

## LYGAEIDAE

<i>Acompus rufipes</i> (Wolff) [NEW]	-	VC54
<i>Aphanus rolandri</i> (Linnaeus)	VC53 (12)	-
<i>Chilacis typhae</i> (Perris) [NEW]	VC53 (A)	VC54
<i>Cymus claviculus</i> (Fallén) [NEW]	VC53 (A)	VC54 (A)
<i>Cymus glandicolor</i> Hahn [NEW]	VC53	VC54 (A)
<i>Cymus melanocephalus</i> Fieber [NEW]	VC53 (A)	VC54
<i>Drymus brunneus</i> (R.F. Sahlberg)	VC53 (A)	VC54
<i>Drymus latus</i> Douglas & Scott [NEW]	-	VC54 (A)
<i>Drymus ryeii</i> Douglas & Scott	-	VC54 (3)
<i>Drymus sylvaticus</i> (Fabricius)	VC53 (A)	VC54 (A)
<i>Eremocoris podagricus</i> (Fabricius) [NEW]	VC53 (A)	-
<i>Gastrodes abietum</i> Bergroth [NEW]	VC53 (1)	-
<i>Gastrodes grossipes</i> (De Geer)	VC53 (A)	VC54
<i>Heterogaster urticae</i> (Fabricius) [NEW]	VC53 (A)	VC54
<i>Ischnodemus sabuleti</i> (Fallén) [NEW]	VC53	VC54 (A)
<i>Kleidocerys ericae</i> (Horváth)	-	VC54
<i>Kleidocerys resedae</i> (Panzer)	VC53 (A)	VC54
<i>Macrodera microptera</i> (Curtis)	-	VC54
<i>Megalonotus antennatus</i> (Schilling) [NEW]	-	VC54 (A)
<i>Megalonotus chiragra</i> (Fabricius) [NEW]	VC53 (A)	VC54
<i>Megalonotus dilatatus</i> (Herrich-Schaeffer) [NEW]	-	VC54 (A)
<i>Megalonotus emarginatus</i> (Rey) [NEW]	VC53 (A)	-
<i>Megalonotus sabulicola</i> (Thomson) [NEW]	VC53 (A)	-
<i>Metopoplax ditomoides</i> (A. Costa) [NEW]	-	VC54 (A)
<i>Nysius ericae</i> (Schilling) [NEW]	VC53	VC54 (1)

## LYGAEIDAE (CONTINUED)

<i>Nysius senecionis</i> (Schilling) [NEW]	VC53 (A)	VC54 (A)
<i>Nysius thymi</i> (Wolff) [NEW]	VC53 (A)	VC54
<i>Orsillus depressus</i> (Mulsant & Rey) [NEW]	VC53 (A)	-
<i>Ortholomus punctipennis</i> (Herrich-Schaeffer)	-	VC54
<i>Peritrechus geniculatus</i> (Hahn) [NEW]	VC53 (A)	VC54
<i>Peritrechus lundii</i> (Gmelin)	VC53 (A)	VC54
<i>Peritrechus nubilus</i> (Fallén) [NEW]	-	VC54 (A)
<i>Plinthisus brevipennis</i> (Latreille) [NEW]	-	VC54
<i>Scolopostethus affinis</i> (Schilling)	VC53 (A)	VC54 (3)
<i>Scolopostethus decoratus</i> (Hahn)	VC53 (A)	VC54 (A)
<i>Scolopostethus grandis</i> Horváth	VC53	-
<i>Scolopostethus thomsoni</i> Reuter	VC53 (A)	VC54
<i>Stygnocoris fuliginus</i> (Geoffroy)	VC53 (A)	VC54 (A)
<i>Stygnocoris rusticus</i> (Fallén)	VC53 (A)	VC54
<i>Stygnocoris sabulosus</i> (Schilling)	-	VC54 (3)
<i>Taphropeltus contractus</i> (Herrich-Schaeffer) [NEW]	VC53 (A)	VC54 (A)
<i>Trapezonotus arenarius</i> (Linnaeus)	-	VC54
<i>Trapezonotus desertus</i> Seidenstücker [NEW]	VC53	VC54 (A)
<i>Trapezonotus dispar</i> Stål [NEW]	-	VC54

## BERYTIDAE

<i>Berytinus clavipes</i> (Fabricius) [NEW]	VC53	-
<i>Berytinus minor</i> (Herrich-Schaeffer) [NEW]	VC53	VC54
<i>Berytinus montivagus</i> (Meyer-Dür) [NEW]	VC53	-
<i>Berytinus signoreti</i> (Fieber)	-	VC54
<i>Gampsocoris punctipes</i> (Germar)	-	VC54
<i>Metatropis rufescens</i> (Herrich-Schaeffer) [NEW]	-	VC54 (A)

## PIESMATIDAE

<i>Parapiesma quadratum</i> (Fieber) [NEW]	-	VC54
<i>Piesma maculatum</i> (Laporte)	VC53	VC54

## TINGIDAE

<i>Acalypta carinata</i> (Panzer)	VC53	-
<i>Acalypta parvula</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Agramma laetum</i> (Fallén) [NEW]	VC53	VC54
<i>Campylosteira verna</i> (Fallén) [NEW]	-	VC54
<i>Derephysia foliacea</i> (Fallén)	VC53	VC54
<i>Dictyla convergens</i> (Herrich-Schaeffer) [NEW]	VC53 (A)	VC54
<i>Dictyonota fuliginosa</i> A. Costa [NEW]	-	VC54 (A)
<i>Dictyonota strichnocera</i> Fieber [NEW]	VC53	VC54
<i>Kalama tricornis</i> (Schränk)	-	VC54
<i>Physatocheila dumetorum</i> (Herrich-Schaeffer)	VC53	VC54
<i>Stephanitis rhododendri</i> Horváth [DELETED]	-	-
<i>Tingis ampliata</i> (Herrich-Schaeffer)	VC53 (A)	VC54
<i>Tingis cardui</i> (Linnaeus)	VC53 (A)	VC54 (A)

## REDUVIIDAE

<i>Coranus woodroffei</i> P.V. Putshkov [NEW]	-	VC54
<i>Empicoris baerensprungi</i> (Dohrn) [NEW]	VC53 (A)	-
<i>Empicoris culiciformis</i> (De Geer) [NEW]	-	VC54 (A)
<i>Empicoris vagabundus</i> (Linnaeus)	VC53	VC54
<i>Reduvius personatus</i> (Linnaeus)	VC53	VC54



## NABIDAE

<i>Himacerus apterus</i> (Fabricius)	VC53 (A)	VC54
<i>Himacerus boops</i> (Schjødte) [NEW]	-	VC54
<i>Himacerus major</i> (A. Costa)	VC53	VC54
<i>Himacerus mirmicoides</i> (O. Costa)	VC53	VC54
<i>Nabis ericetorum</i> Scholtz [NEW]	-	VC54
<i>Nabis fesus</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Nabis flavomarginatus</i> Scholtz	VC53	VC54
<i>Nabis limbatus</i> Dahlbom	VC53 (A)	VC54 (A)
<i>Nabis lineatus</i> Dahlbom	-	VC54
<i>Nabis pseudoferus</i> Remane [NEW]	VC53 (A)	-
<i>Nabis rugosus</i> (Linnaeus)	VC53	VC54

## ANTHOCORIDAE

<i>Acompocoris alpinus</i> Reuter [NEW]	-	VC54 (A)
<i>Acompocoris pygmaeus</i> (Fallén)	-	VC54
<i>Anthocoris confusus</i> Reuter	VC53 (A)	VC54
<i>Anthocoris limbatus</i> Fieber [NEW]	-	VC54 (A)
<i>Anthocoris nemoralis</i> (Fabricius)	VC53 (A)	VC54 (3)
<i>Anthocoris nemorum</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Anthocoris pilosus</i> (Jakovlev) [NEW]	-	VC54 (A)
<i>Anthocoris sarothamni</i> Douglas & Scott	-	VC54
<i>Anthocoris simulans</i> Reuter [NEW]	VC53	-
<i>Buchananiella continua</i> (F.B. White)	VC53 (13)	VC54 (A)
<i>Cardiastethus fasciventris</i> (Garbiglietti) [NEW]	-	VC54 (A)
<i>Dufouriellus ater</i> (Dufour)	VC53	VC54 (14)
<i>Lyctocoris campestris</i> (Fabricius)	-	VC54
<i>Orius laevigatus</i> (Fieber) [NEW]	VC53	VC54 (A)
<i>Orius laticollis</i> (Reuter) [NEW]	VC53	VC54 (A)
<i>Orius majusculus</i> (Reuter)	VC53 (A)	VC54
<i>Orius niger</i> (Wolff) [NEW]	VC53	VC54 (A)
<i>Orius vicinus</i> (Ribaut) [NEW]	VC53	VC54 (A)
<i>Temnostethus gracilis</i> Horváth [NEW]	-	VC54 (A)
<i>Temnostethus pusillus</i> (Herrich-Schaeffer) [NEW]	VC53 (A)	-
<i>Tetraphleps bicuspis</i> (Herrich-Schaeffer)	VC53 (A)	VC54 (3)
<i>Xylocoris cursitans</i> (Fallén)	VC53	VC54

## CIMICIDAE

<i>Cimex columbarius</i> Jenyns	-	VC54
<i>Cimex lectularius</i> Linnaeus	VC53 (A)	VC54 (3)
<i>Oeciacus hirundinis</i> (Lamarck)	VC53 (8)	-

## MICROPHYSIDAE

<i>Loricula coleoptrata</i> (Fallén)	-	VC54
<i>Loricula elegantula</i> (Baerensprung)	VC53 (A)	VC54
<i>Loricula pselaphiformis</i> Curtis	-	VC54

## MIRIDAE

<i>Acetropis gimmerthalii</i> (Flor) [NEW]	VC53 (A)	VC54
<i>Adelphocoris lineolatus</i> (Goeze)	VC53 (A)	VC54 (3)
<i>Alloeotomus gothicus</i> (Fallén) [NEW]	VC53	VC54 (A)
<i>Amblytylus nasutus</i> (Kirschbaum) [NEW]	VC53	VC54 (A)
<i>Apolygus lucorum</i> (Meyer-Dür) [NEW]	VC53 (A)	VC54
<i>Apolygus spinolae</i> (Meyer-Dür) [NEW]	VC53	VC54 (A)
<i>Asciodema obsoleta</i> (Fieber)	VC53 (A)	VC54

## MIRIDAE (CONTINUED)

<i>Atractotomus magnicornis</i> (Fallén)	-	VC54
<i>Atractotomus mali</i> (Meyer-Dür) [NEW]	VC53	VC54 (A)
<i>Atractotomus parvulus</i> Reuter [NEW]	VC53 (A)	-
<i>Blepharidopterus angulatus</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Blepharidopterus diaphanus</i> (Kirschbaum)	-	VC54
<i>Bryocoris pteridis</i> (Fallén)	VC53 (A)	VC54
<i>Calocoris alpestris</i> (Meyer-Dür) [NEW]	VC53 (1)	-
<i>Calocoris roseomaculatus</i> (De Geer)	VC53 (A)	VC54
<i>Camptozygum aequale</i> (Villers) [NEW]	VC53	VC54
<i>Campyloneura virgula</i> (Herrich-Schaeffer)	VC53 (A)	VC54
<i>Capsodes gothicus</i> (Linnaeus) [NEW]	-	VC54 (A)
<i>Capsus ater</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Capsus wagneri</i> (Remane)	VC53 (1)	-
<i>Chlamydatius pullus</i> (Reuter) [NEW]	VC53	VC54 (A)
<i>Chlamydatius saltitans</i> (Fallén) [NEW]	VC53	-
<i>Closterotomus fulvomaculatus</i> (De Geer) [NEW]	VC53 (A)	VC54 (A)
<i>Closterotomus norwegicus</i> (Gmelin)	VC53 (A)	VC54 (3)
<i>Compsidolon salicellum</i> (Herrich-Schaeffer)	VC53 (A)	VC54 (A)
<i>Conostethus griseus</i> Douglas & Scott	VC53	VC54 (6)
<i>Conostethus venustus</i> (Fieber)	-	VC54 (A)
<i>Cylloceria hystrix</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Cyrtorhinus caricus</i> (Fallén)	-	VC54
<i>Deraeocoris flavilinea</i> (A. Costa) [NEW]	VC53 (A)	VC54 (A)
<i>Deraeocoris lutescens</i> (Schilling) [NEW]	VC53 (A)	VC54
<i>Deraeocoris olivaceus</i> (Fabricius) [NEW]	-	VC54 (A)
<i>Deraeocoris ruber</i> (Linnaeus)	VC53	VC54 (A)
<i>Dichroscytus gustavi</i> Josifov [NEW]	VC53 (A)	-
<i>Dichroscytus rufipennis</i> (Fallén)	-	VC54
<i>Dicyphus constrictus</i> (Boheman)	-	VC54
<i>Dicyphus epilobii</i> Reuter	VC53 (A)	VC54 (A)
<i>Dicyphus errans</i> (Wolff) [NEW]	VC53 (A)	VC54 (A)
<i>Dicyphus globulifer</i> (Fallén)	-	VC54 (3)
<i>Dicyphus stachydis</i> J. Sahlberg	VC53 (A)	VC54 (A)
<i>Dryophilocoris flavoquadrimaculatus</i> (De Geer)	VC53 (A)	VC54 (A)
<i>Europiella artemisiae</i> (Becker) [NEW]	VC53 (A)	-
<i>Fieberocapsus flaveolus</i> (Reuter) [NEW]	-	VC54
<i>Globiceps flavomaculatus</i> (Fabricius)	-	VC54
<i>Globiceps fulvicollis</i> Jakovlev [DELETED]	-	-
<i>Globiceps juniperi</i> Reuter [NEW]	-	VC54
<i>Grypocoris stysi</i> (Wagner)	VC53 (A)	VC54
<i>Harpocera thoracica</i> (Fallén)	VC53 (A)	VC54 (2)
<i>Heterocordylus tibialis</i> (Hahn) [NEW]	-	VC54 (A)
<i>Heterotoma planicornis</i> (Pallas)	VC53 (A)	VC54 (3)
<i>Hoplomachus thunbergii</i> (Fallén) [NEW]	VC53	VC54
<i>Leptopterna dolabrata</i> (Linnaeus)	VC53 (A)	VC54 (A)
<i>Leptopterna ferrugata</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Liocoris tripustulatus</i> (Fabricius)	VC53 (A)	VC54 (3)
<i>Lopus decolor</i> (Fallén) [NEW]	VC53 (A)	VC54
<i>Lygocoris pabulinus</i> (Linnaeus)	VC53 (A)	VC54
<i>Lygocoris rugicollis</i> (Fallén)	-	VC54 (3)
<i>Lygus maritimus</i> Wagner [NEW]	-	VC54 (A)
<i>Lygus pratensis</i> (Linnaeus) [NEW]	VC53 (A)	VC54 (A)
<i>Lygus rugulipennis</i> Poppius [NEW]	VC53 (A)	VC54 (A)
<i>Lygus wagneri</i> Remane [NEW]	VC53	VC54 (A)

## MIRIDAE (CONTINUED)

<i>Macrolophus pygmaeus</i> (Rambur) [NEW]	VC53	VC54 (A)
<i>Macrolophus rubi</i> Woodroffe [NEW]	VC53 (A)	-
<i>Macrotylus paykullii</i> (Fallén) [NEW]	-	VC54 (A)
<i>Macrotylus solitarius</i> (Meyer-Dür) [NEW]	VC53	VC54 (A)
<i>Malacocoris chlorizans</i> (Panzer)	VC53 (A)	VC54 (3)
<i>Mecomma ambulans</i> (Fallén)	VC53 (A)	VC54 (4)
<i>Mecomma dispar</i> (Boheman)	-	VC54
<i>Megacoelum infusum</i> (Herrich-Schaeffer) [NEW]	VC53 (A)	-
<i>Megaloceroea recticornis</i> (Geoffroy)	VC53	VC54
<i>Megalocoleus molliculus</i> (Fallén) [NEW]	VC53	VC54 (A)
<i>Megalocoleus tanacetii</i> (Fallén) [NEW]	VC53	-
<i>Miris striatus</i> (Linnaeus)	VC53 (A)	VC54
<i>Monalocoris filicis</i> (Linnaeus)	VC53	VC54
<i>Neolygus contaminatus</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Neolygus populi</i> (Leston) [NEW]	VC53 (A)	-
<i>Neolygus viridis</i> (Fallén) [NEW]	-	VC54
<i>Notostira elongata</i> (Geoffroy)	VC53 (A)	VC54 (3)
<i>Oncotylus viridiflavus</i> (Goeze) [NEW]	VC53 (A)	VC54 (A)
<i>Orthocephalus saltator</i> (Hahn)	-	VC54
<i>Orthonotus rufifrons</i> (Fallén)	VC53 (A)	VC54
<i>Orthops basalis</i> (A. Costa) [NEW]	VC53 (A)	VC54 (A)
<i>Orthops campestris</i> (Linnaeus) [NEW]	VC53 (A)	VC54 (A)
<i>Orthops kalmii</i> (Linnaeus) [NEW]	VC53 (A)	VC54 (A)
<i>Orthotylus adenocarpi</i> (Perris) [NEW]	-	VC54 (A)
<i>Orthotylus bilineatus</i> (Fallén)	-	VC54
<i>Orthotylus ericetorum</i> (Fallén) [NEW]	-	VC54
<i>Orthotylus flavinervis</i> (Kirschbaum) [NEW]	VC53 (A)	-
<i>Orthotylus flavosparsus</i> (C.R. Sahlberg) [NEW]	VC53	VC54 (A)
<i>Orthotylus marginalis</i> Reuter	VC53 (A)	VC54 (A)
<i>Orthotylus moncreaffi</i> (Douglas & Scott) [NEW]	VC53	VC54 (A)
<i>Orthotylus nassatus</i> (Fabricius)	VC53 (A)	VC54
<i>Orthotylus ochrotrichus</i> Fieber [NEW]	VC53 (A)	VC54
<i>Orthotylus prasinus</i> (Fallén) [NEW]	VC53 (A)	VC54
<i>Orthotylus tenellus</i> (Fallén)	VC53 (A)	VC54
<i>Orthotylus virescens</i> (Douglas & Scott) [NEW]	VC53 (A)	VC54 (A)
<i>Pantilius tunicatus</i> (Fabricius)	VC53	VC54
<i>Phoenicocoris obscurellus</i> (Fallén)	VC53 (A)	VC54
<i>Phylus coryli</i> (Linnaeus)	VC53 (A)	VC54
<i>Phylus melanocephalus</i> (Linnaeus)	VC53 (A)	VC54
<i>Phytocoris dimidiatus</i> Kirschbaum [NEW]	VC53	VC54 (A)
<i>Phytocoris longipennis</i> Flor	VC53 (A)	VC54
<i>Phytocoris pini</i> Kirschbaum	-	VC54
<i>Phytocoris populi</i> (Linnaeus)	-	VC54
<i>Phytocoris reuteri</i> Saunders	-	VC54
<i>Phytocoris tiliae</i> (Fabricius)	VC53 (A)	VC54
<i>Phytocoris ulmi</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Phytocoris varipes</i> Boheman	VC53 (A)	VC54 (A)
<i>Pilophorus cinnamopterus</i> (Kirschbaum) [NEW]	VC53	-
<i>Pilophorus perplexus</i> Douglas & Scott [NEW]	VC53 (A)	-
<i>Pinalitus cervinus</i> (Herrich-Schaeffer)	VC53 (A)	VC54
<i>Pithanus maerkelii</i> (Herrich-Schaeffer)	VC53 (A)	VC54
<i>Placochilus seladonicus</i> (Fallén) [NEW]	-	VC54 (A)
<i>Plagiognathus arbustorum</i> (Fabricius)	VC53 (A)	VC54 (3)
<i>Plagiognathus chrysanthemi</i> (Wolff)	VC53 (A)	VC54 (3)

## MIRIDAE (CONTINUED)

<i>Platycranus bicolor</i> (Douglas & Scott)	VC53 (A)	VC54
<i>Plesiodema pinetella</i> (Zetterstedt) [NEW]	-	VC54 (A)
<i>Polymerus nigrita</i> (Fallén) [NEW]	VC53	VC54 (A)
<i>Polymerus unifasciatus</i> (Fabricius) [NEW]	-	VC54 (A)
<i>Psallodema fieberi</i> (Fieber)	-	VC54
<i>Psallus ambiguus</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Psallus confusus</i> Rieger [NEW]	VC53 (A)	VC54 (A)
<i>Psallus falleni</i> Reuter	-	VC54
<i>Psallus flavellus</i> Stichel [NEW]	-	VC54 (A)
<i>Psallus haematodes</i> (Gmelin)	VC53 (A)	VC54
<i>Psallus lepidus</i> Fieber	VC53	VC54
<i>Psallus perrisi</i> (Mulsant & Rey) [NEW]	VC53	VC54 (A)
<i>Psallus salicis</i> (Kirschbaum) [NEW]	VC53	VC54
<i>Psallus variabilis</i> (Fallén) [NEW]	-	VC54 (A)
<i>Psallus varians</i> (Herrich-Schaeffer)	VC53 (A)	VC54 (3)
<i>Pseudoloxops coccineus</i> (Meyer-Dür) [NEW]	VC53	VC54 (A)
<i>Rhabdomiris striatellus</i> (Fabricius)	VC53 (A)	VC54
<i>Salicarus roseri</i> (Herrich-Schaeffer)	VC53 (12)	-
<i>Stenodema calcarata</i> (Fallén)	VC53 (A)	VC54 (3)
<i>Stenodema holsata</i> (Fabricius)	-	VC54
<i>Stenodema laevigata</i> (Linnaeus)	VC53 (A)	VC54 (3)
<i>Stenodema trispinosa</i> Reuter [NEW]	-	VC54
<i>Stenotus binotatus</i> (Fabricius)	VC53 (A)	VC54
<i>Sthenarus rotermundi</i> (Scholtz) [NEW]	VC53 (A)	VC54
<i>Systellonotus triguttatus</i> (Linnaeus) [DELETED]	-	-
<i>Teratocoris saundersi</i> Douglas & Scott	-	VC54
<i>Teratocoris viridis</i> Douglas & Scott [DELETED]	-	-
<i>Trigonotylus caelestialium</i> (Kirkaldy) [NEW]	VC53 (A)	VC54 (A)
<i>Trigonotylus psammaecolor</i> Reuter	-	VC54
<i>Trigonotylus ruficornis</i> (Geoffroy) [NEW]	-	VC54 (A)
<i>Tupiocoris rhododendri</i> (Dolling) [NEW]	VC53 (A)	-
<i>Tytthus pubescens</i> (Knight) [NEW]	VC53	-
<i>Tytthus pygmaeus</i> (Zetterstedt) [NEW]	VC53	VC54 (A)

## CERATOCOMBIDAE

<i>Ceratocombus coleoptratus</i> (Zetterstedt) [NEW]	-	VC54
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## SALDIDAE

<i>Chartoscirta cincta</i> (Herrich-Schaeffer)	VC53 (A)	VC54
<i>Chartoscirta cocksii</i> (Curtis)	-	VC54
<i>Chiloxanthus pilosus</i> (Fallén)	-	VC54
<i>Halosalda lateralis</i> (Fallén)	-	VC54
<i>Salda littoralis</i> (Linnaeus)	VC53	VC54
<i>Saldula opacula</i> (Zetterstedt) [NEW]	VC53 (16)	-
<i>Saldula orthochila</i> (Fieber)	VC53	VC54
<i>Saldula pilosella</i> (Thomson)	-	VC54
<i>Saldula pallipes</i> (Fabricius) [NEW]	VC53	VC54
<i>Saldula palustris</i> (Douglas) [NEW]	-	VC54
<i>Saldula saltatoria</i> (Linnaeus)	VC53 (1)	VC54

## MESOVELIIDAE

<i>Mesovelia furcata</i> Mulsant & Rey [NEW]	VC53 (B)	VC54 (B)
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HEBRIDAE		
<i>Hebrus ruficeps</i> Thomson	VC53 (B)	-
HYDROMETRIDAE		
<i>Hydrometra stagnorum</i> (Linnaeus)	VC53 (5)	VC54 (5)
VELIIDAE		
<i>Microvelia reticulata</i> (Burmeister)	VC53 (4)	VC54 (4)
<i>Velia caprai</i> Tamanini	VC53	VC54 (5)
<i>Velia saulii</i> Tamanini	VC53 (1)	-
GERRIDAE		
<i>Aquarius najas</i> (De Geer)	VC53	-
<i>Gerris argentatus</i> Schummel	VC53 (5)	VC54
<i>Gerris gibbifer</i> Schummel	-	VC54 (3)
<i>Gerris lacustris</i> (Linnaeus)	VC53 (5)	VC54 (5)
<i>Gerris odontogaster</i> (Zetterstedt)	VC53 (5)	VC54
<i>Gerris thoracicus</i> Schummel	VC53 (5)	VC54 (5)
NEPIDAE		
<i>Nepa cinerea</i> Linnaeus	VC53 (5)	VC54 (5)
<i>Ranatra linearis</i> (Linnaeus)	VC53 (5)	VC54
NAUCORIDAE		
<i>Ilyocoris cimicoides</i> (Linnaeus)	VC53 (5)	VC54
APHELOCHEIRIDAE		
<i>Aphelocheirus aestivalis</i> (Fabricius)	VC53	VC54 (5)
NOTONECTIDAE		
<i>Notonecta glauca</i> Linnaeus	VC53 (5)	VC54 (5)
<i>Notonecta maculata</i> Fabricius	VC53	VC54 (4)
<i>Notonecta obliqua</i> Thunberg	VC53 (B)	VC54 (B)
<i>Notonecta viridis</i> Delcourt	VC53 (5)	VC54 (5)
PLEIDAE		
<i>Plea minutissima</i> Leach	VC53	VC54
CORIXIDAE		
<i>Arctocorisa carinata</i> (C.R. Sahlberg)	-	VC54 (4)
<i>Arctocorisa germari</i> (Fieber)	-	VC54
<i>Callicorixa praeusta</i> (Fieber)	VC53 (5)	VC54
<i>Corixa affinis</i> Leach	VC53 (5)	VC54
<i>Corixa dentipes</i> Thomson	VC53 (5)	VC54 (5)
<i>Corixa panzeri</i> Fieber	VC53	VC54 (5)
<i>Corixa punctata</i> (Illiger)	VC53 (5)	VC54 (5)
<i>Cymatia bonsdorffii</i> (C.R. Sahlberg)	VC53 (5)	VC54
<i>Cymatia coleoptrata</i> (Fabricius)	VC53 (5)	VC54
<i>Hesperocorixa castanea</i> (Thomson)	VC53 (5)	VC54 (5)
<i>Hesperocorixa linnaei</i> (Fieber)	VC53 (5)	VC54
<i>Hesperocorixa moesta</i> (Fieber) [NEW]	VC53	VC54
<i>Hesperocorixa sahlbergi</i> (Fieber)	VC53 (5)	VC54 (5)
<i>Micronecta poweri</i> (Douglas & Scott)	VC53	-
<i>Micronecta scholtzi</i> (Fieber)	VC53 (5)	VC54 (5)
<i>Paracorixa concinna</i> (Fieber)	VC53 (5)	VC54

## CORIXIDAE (CONTINUED)

<i>Sigara distincta</i> (Fieber)	VC53 (7)	VC54
<i>Sigara dorsalis</i> (Leach)	VC53 (5)	VC54 (5)
<i>Sigara falleni</i> (Fieber)	VC53 (5)	VC54
<i>Sigara fossarum</i> (Leach)	VC53 (5)	VC54
<i>Sigara iactans</i> Jansson	VC53 (10)	-
<i>Sigara lateralis</i> (Leach)	VC53 (5)	VC54
<i>Sigara limitata</i> (Fieber)	-	VC54
<i>Sigara nigrolineata</i> (Fieber)	VC53 (5)	VC54
<i>Sigara selecta</i> (Fieber)	-	VC54 (5)
<i>Sigara semistriata</i> (Fieber)	-	VC54 (1)
<i>Sigara stagnalis</i> (Leach)	VC53	VC54 (5)
<i>Sigara striata</i> (Linnaeus)	-	VC54
<i>Sigara venusta</i> (Douglas & Scott)	-	VC54

TABLE 1. The references relating to the numbers in the list of divided records.

1	Bratton et al. (1989)	10	Chadd (2007)
2	Ely (1982)	11	Binding (2007)
3	Mason (1888)	12	Binding (2008)
4	Roebuck (1935)	13	Alexander (2009)
5	Huxley (2003)	14	Talbot (2009)
6	Nau (1978)	15	Bantock (2014)
7	Kirby (1983)	16	Rowley & Warnes (2016)
8	Clarke & Hill (1999)	17	Flanagan (2015)
9	Binding (2006)		

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#### Appendix A: records from a dataset provided by Colin Smith

- Aradus depressus* (Fabricius) (Aradidae)  
VC53: 10/03/2010, SK961685, Lincoln.
- Acanthosoma haemorrhoidale* (Linnaeus) (Acanthosomatidae)  
VC53: 01/09/1974, TF0920, Bourne.
- Cyphostethus tristriatus* (Fabricius) (Acanthosomatidae)  
VC53: 19/08/1992, TF1929, Gosberton Clough.  
VC54: 12/09/1990, TF5660, Gibraltar Point NNR.
- Elasmostethus interstinctus* (Linnaeus) (Acanthosomatidae)  
VC53: 27/04/1993, SK890645, Housham.  
VC54: 16/08/1973, TF2163, Moor Farm LWT Reserve.
- Elasmucha grisea* (Linnaeus) (Acanthosomatidae)  
VC53: 14/09/1986, SK988428, Ancaster Valley.  
VC54: 03/06/1973, TF2163, Moor Farm LWT Reserve.
- Legnotus limbosus* (Geoffroy) (Cydnidae)  
VC54: 06/06/1993, TF2163, Moor Farm LWT Reserve.
- Sehirus luctuosus* Mulsant & Rey (Cydnidae)  
VC53: 10/05/2002, SK913673, Whisby N. Park.
- Tritomegas bicolor* (Linnaeus) (Cydnidae)  
VC54: 30/05/1984, TF1198, Nettleton Top.
- Thyreocoris scarabaeoides* (Linnaeus) (Thyreocoridae)  
VC54: 28/07/2003, SE740015, Cove Farm - Fields Nr.Haxey.
- Aelia acuminata* (Linnaeus) (Pentatomidae)  
VC53: 09/06/2010, SK962686, Lincoln, Bracebridge.
- Eysarcoris venustissimus* (Schrank) (Pentatomidae)  
VC53: 20/01/2009, SK9621868778, Lincoln.  
VC54: 12/06/1993, TF203572, Tattershall.
- Neottiglossa pusilla* (Gmelin) (Pentatomidae)  
VC53: 11/06/1996, TF030436, Raucedon Warren LWT Reserve.  
VC54: 16/08/1973, TF2163, Moor Farm LWT Reserve.
- Palomena prasina* (Linnaeus) (Pentatomidae)  
VC53: 23/08/1999, TF026190, Grimsthorpe Park - Cross Roads.

- Pentatoma rufipes* (Linnaeus) (Pentatomidae)  
VC53: 02/03/1988, TF093162, Dole Wood.
- Picromerus bidens* (Linnaeus) (Pentatomidae)  
VC53: 14/09/1997, SK963678, Lincoln - Witham Marshes.
- Piezodorus lituratus* (Fabricius) (Pentatomidae)  
VC53: 27/04/1993, SK890645, Housham.
- Podops inunctus* (Fabricius) (Pentatomidae)  
VC54: 10/04/2004, TF082779, Rand Wood.
- Troilus luridus* (Fabricius) (Pentatomidae)  
VC53: 17/10/1993, SK939685, Lincoln - Swanholme Lakes LNR.
- Zicrona caerulea* (Linnaeus) (Pentatomidae)  
VC53: 15/06/1993, SK913667, Whisby Pits Nature Park.
- Leptoglossus occidentalis* Heidemann (Coreidae)  
VC53: 25/04/2010, TF100278, Rippingale.  
VC54: 07/09/2010, TA191150, Immingham.
- Chorosoma schillingii* (Schilling) (Rhopalidae)  
VC54: 01/01/1995, TF1959, Tattershall Old Gravel Pits Area.
- Corizus hyoscyami* (Linnaeus) (Rhopalidae)  
VC53: 30/07/2010, TF1218, Bourne South Fen.  
VC54: 17/08/2010, TA113022, garden in Caistor.
- Myrmus miriformis* (Fallén) (Rhopalidae)  
VC53: 24/07/2010, SK961684, Lincoln.
- Rhopalus parumpunctatus* Schilling (Rhopalidae)  
VC54: 11/10/2015, TF555582, Gibraltar Point, wood.
- Rhopalus subrufus* (Gmelin) (Rhopalidae)  
VC53: 12/06/2001, SK962195, Porters Lodge Meadow LWT Res.  
VC54: 11/05/2003, TF121753, College Wood, first junction.
- Stictopleurus punctatonervosus* (Goeze) (Rhopalidae)  
VC53: 24/07/2010, SK961684, Lincoln.  
VC54: 03/08/2015, TF339466, Boston, A16 Cowbridge drain.
- Chilacis typhae* (Perris) (Lygaeidae)  
VC53: 12/12/2004, SK914674, Whisby N. Park.
- Cymus claviculus* (Fallén) (Lygaeidae)  
VC53: 26/05/2013, SK957682, Lincoln.  
VC54: 02/12/1999, TF102914, Middle Rasen Plantation, Caistor road entrance.
- Cymus glandicolor* Hahn (Lygaeidae)  
VC54: 10/01/2007, SE845016, Laughton Forest, Tueto Hills.
- Cymus melanocephalus* Fieber (Lygaeidae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Drymus brunneus* (R.F. Sahlberg) (Lygaeidae)  
VC53: 31/05/2004, TF023707, Washingborough - Willow Court.
- Drymus latus* Douglas & Scott (Lygaeidae)  
VC54: 14/02/2006, TF224619, Kirkby Moor, heath left of track.
- Drymus sylvaticus* (Fabricius) (Lygaeidae)  
VC53: 24/04/2005, SK9167, Whisby N Park (Willow Lake).  
VC54: 31/08/2000, TF205917, Binbrook.
- Eremocoris podagricus* (Fabricius) (Lygaeidae)  
VC53: 26/05/2001, TF249241, Vernatt's LNR, Spalding.
- Gastrodes grossipes* (De Geer) (Lygaeidae)  
VC53: 24/05/1996, TF030436, Raucedon Warren LWT Reserve.
- Heterogaster urticae* (Fabricius) (Lygaeidae)  
VC53: 18/10/1994, TF023707, Washingborough.
- Ischnodemus sabuleti* (Fallén) (Lygaeidae)  
VC54: 22/02/2004, TF140884, Willingham Forest, Picnic area and Ponds.



- Kleidocerys resedae* (Panzer) (Lygaeidae)  
VC53: 17/10/1993, SK9469, Lincoln - Hartsholme Country Park.
- Megalonotus antennatus* (Schilling) (Lygaeidae)  
VC54: 24/08/1999, TF082779, Rand Wood.
- Megalonotus chiragra* (Fabricius) (Lygaeidae)  
VC53: 14/03/2006, TF013602, Metheringham Heath.
- Megalonotus dilatatus* (Herrich-Schaeffer) (Lygaeidae)  
VC54: 12/02/2009, SK869984, Scotton Common, gorse along roadside.
- Megalonotus emarginatus* (Rey) (Lygaeidae)  
VC53: 22/07/2011, SK957682, Lincoln.
- Megalonotus sabulicola* (Thomson) (Lygaeidae)  
VC53: 03/05/2011, SK941681, Lincoln.
- Metopoplax ditomoides* (A. Costa) (Lygaeidae)  
VC54: 16/04/2002, TF012901, Glenthams, Barff Farm (Caenby).
- Nysius senecionis* (Schilling) (Lygaeidae)  
VC53: 01/09/2004, TF264476, Langrick Bridge - River Witham.  
VC54: 13/11/2010, TA293064, Cleethorpes, layby opposite Tesco.
- Nysius thymi* (Wolff) (Lygaeidae)  
VC53: 15/06/2010, SK962686, Lincoln, Bracebridge.
- Orsillus depressus* (Mulsant & Rey) (Lygaeidae)  
VC53: 21/08/2010, SK9568, Lincoln.
- Peritrechus geniculatus* (Hahn) (Lygaeidae)  
VC53: 09/05/2011, SK936674, Lincoln.
- Peritrechus lundii* (Gmelin) (Lygaeidae)  
VC53: 28/03/2012, SK957682, Lincoln.
- Peritrechus nubilus* (Fallén) (Lygaeidae)  
VC54: 09/02/2005, TF224619, Kirkby Moor, heath left of track.
- Scolopostethus affinis* (Schilling) (Lygaeidae)  
VC53: 07/12/2004, TF1317, Northorpe Fen Slips.
- Scolopostethus decoratus* (Hahn) (Lygaeidae)  
VC53: 19/08/2009, SK966690, Lincoln.  
VC54: 19/06/1988, SE9404, Manton Warren.
- Scolopostethus thomsoni* Reuter (Lygaeidae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Stygnocoris fuliginosus* (Geoffroy) (Lygaeidae)  
VC53: 26/07/2011, SK955677, Lincoln.  
VC54: 01/08/2000, TF105892, Market Rasen, Dear Street.
- Stygnocoris rusticus* (Fallén) (Lygaeidae)  
VC53: 25/08/2009, SK959685, Lincoln.
- Taphropeltus contractus* (Herrich-Schaeffer) (Lygaeidae)  
VC53: 12/02/2012, SK951688, Lincoln.  
VC54: 12/04/2004, TF229583, Coningsby - The Pingle.
- Trapezonotus desertus* Seidenstücker (Lygaeidae)  
VC54: 10/04/2004, TF082779, Rand Wood.
- Metatropis rufescens* (Herrich-Schaeffer) (Berytidae)  
VC54: 06/05/2005, TF3484, Kenwick Park.
- Acalypta parvula* (Fallén) (Tingidae)  
VC53: 07/08/1997, TF018706, Washingborough - Washingborough Hall Hotel.
- Dictyla convergens* (Herrich-Schaeffer) (Tingidae)  
VC53: 15/07/2011, SK9618168734, Lincoln.
- Dictyonota fuliginosa* A. Costa (Tingidae)  
VC54: 02/08/2015, TF140884, Willingham Forest, Picnic area and Ponds.
- Tingis ampliata* (Herrich-Schaeffer) (Tingidae)  
VC53: 14/05/1995, TF007708, Washingborough Junction.

- Tingis cardui* (Linnaeus) (Tingidae)  
 VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.  
 VC54: 19/08/1995, TF562587, Gibraltar Point NNR.
- Empicoris baerensprungi* (Dohrn) (Reduviidae)  
 VC53: 06/07/2013, SK943689, Lincoln.
- Empicoris culiciformis* (De Geer) (Reduviidae)  
 VC54: 28/05/2005, TF109894, Market Rasen, Woodgrove.
- Himacerus apterus* (Fabricius) (Nabidae)  
 VC53: 05/08/2004, SK9167, Whisby Nature Park (Magpie Walk).
- Nabis ferus* (Linnaeus) (Nabidae)  
 VC53: 12/08/2004, TF067676, Potterhanworth Booths.
- Nabis limbatus* Dahlbom (Nabidae)  
 VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.  
 VC54: 18/09/1999, TF548764, Anderby Creek.
- Nabis pseudoferus* Remane (Nabidae)  
 VC53: 02/08/2013, SK960685, Lincoln.
- Acompocoris alpinus* Reuter (Anthocoridae)  
 VC54: 25/06/2000, TF135874, Linwood Warren, mature heather.
- Anthocoris confusus* Reuter (Anthocoridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Anthocoris limbatus* Fieber (Anthocoridae)  
 VC54: 19/09/2009, TA315045, Humberston Blowell.
- Anthocoris nemoralis* (Fabricius) (Anthocoridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Anthocoris nemorum* (Linnaeus) (Anthocoridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Anthocoris pilosus* (Jakovlev) (Anthocoridae)  
 VC54: 11/05/1993, TF5658, Gibraltar Point NNR.
- Buchananiella continua* (F.B. White) (Anthocoridae)  
 VC54: 04/03/2007, TA293064, Cleethorpes, layby opposite Tesco.
- Cardiastethus fasciiventris* (Garbiglietti) (Anthocoridae)  
 VC54: 19/07/2000, TF336432, Boston.
- Orius laevigatus* (Fieber) (Anthocoridae)  
 VC54: 27/07/2000, TF082779, Rand Wood.
- Orius laticollis* (Reuter) (Anthocoridae)  
 VC54: 27/07/2000, TF140884, Willingham Forest, Picnic area and Ponds.
- Orius majusculus* (Reuter) (Anthocoridae)  
 VC53: 12/08/2004, TF067676, Potterhanworth Booths.
- Orius niger* (Wolff) (Anthocoridae)  
 VC54: 27/07/1990, SK910749, Nr.Saxilby - Fosdyke Canal.
- Orius vicinus* (Ribaut) (Anthocoridae)  
 VC54: 23/07/2000, TF105892, Market Rasen, Dear Street.
- Temnostethus gracilis* Horváth (Anthocoridae)  
 VC54: 02/07/2006, TF105892, Market Rasen, Dear Street.
- Temnostethus pusillus* (Herrich-Schaeffer) (Anthocoridae)  
 VC53: 05/10/2003, SK912666, Whisby Nature Park.
- Tetraphleps bicuspis* (Herrich-Schaeffer) (Anthocoridae)  
 VC53: 31/01/2001, SK913695, Doddington, crossroads by wood.
- Cimex lectularius* Linnaeus (Cimicidae)  
 VC53: 25/11/2010, TF0745, Sleaford.
- Loricula elegantula* (Baerensprung) (Microphysidae)  
 VC53: 16/08/2009, SK958683, Lincoln.
- Acetropis gimmerthalii* (Flor) (Miridae)  
 VC53: 10/06/2006, SK908662, Whisby N. R., education centre.

- Adelphocoris lineolatus* (Goeze) (Miridae)  
VC53: 14/07/2007, SK912666, Whisby N. R., Corner of Grebe Lake.
- Alloeotomus gothicus* (Fallén) (Miridae)  
VC54: 27/07/2006, TF109894, Market Rasen, Woodgrove.
- Amblytylus nasutus* (Kirschbaum) (Miridae)  
VC54: 13/06/2007, TF186778, Sotby Wood, first corner.
- Apolygus lucorum* (Meyer-Dür) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Apolygus spinolae* (Meyer-Dür) (Miridae)  
VC54: 08/08/2015, TA227100, Healing, B1201.
- Asciodema obsoleta* (Fieber) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Atractotomus mali* (Meyer-Dür) (Miridae)  
VC54: 07/07/2003, TF1270, Scotgrove Wood.
- Atractotomus parvulus* Reuter (Miridae)  
VC53: 23/07/2011, SK944682, Lincoln.
- Blepharidopterus angulatus* (Fallén) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Bryocoris pteridis* (Fallén) (Miridae)  
VC53: 21/08/2009, SK960685, Lincoln.
- Calocoris roseomaculatus* (De Geer) (Miridae)  
VC53: 19/08/2009, SK958685, Lincoln.
- Campyloneura virgula* (Herrich-Schaeffer) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Capsodes gothicus* (Linnaeus) (Miridae)  
VC54: 25/06/2006, TF128876, Linwood Warren, side entrance and pond.
- Capsus ater* (Linnaeus) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Chlamydatus pullus* (Reuter) (Miridae)  
VC54: 28/07/2003, SE740015, Cove Farm - Fields Nr.Haxey.
- Closterotomus fulvomaculatus* (De Geer) (Miridae)  
VC53: 03/06/2010, SK967692, Lincoln.  
VC54: 11/08/2000, TF121753, College Wood, first junction.
- Closterotomus norwegicus* (Gmelin) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Compsidolon salicellum* (Herrich-Schaeffer) (Miridae)  
VC53: 15/07/2011, SK960685, Lincoln.  
VC54: 11/08/2000, TF121753, College Wood, first junction.
- Conostethus venustus* (Fieber) (Miridae)  
VC54: 08/08/2015, TA227100, Healing, B1201.
- Cyllecoris histrionius* (Linnaeus) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Deraeocoris flavilinea* (A. Costa) (Miridae)  
VC53: 17/06/2010, SK955691, Lincoln.  
VC54: 16/08/2003, TF147883, Willingham Forest, track along east edge of wood.
- Deraeocoris lutescens* (Schilling) (Miridae)  
VC53: 17/08/2001, SK962195, Porters Lodge Meadow LWT Res.
- Deraeocoris olivaceus* (Fabricius) (Miridae)  
VC54: 21/08/1999, TA079241, Fairfield Pit LWT Reserve.
- Deraeocoris ruber* (Linnaeus) (Miridae)  
VC54: 20/08/1995, TF1573, Minting Park.
- Dichrooscytus gustavi* Josifov (Miridae)  
VC53: 31/07/2015, SK916709, Skellingthorpe, footpath to Doddington.

- Dicyphus epilobii* Reuter (Miridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.  
 VC54: 27/07/1990, SK8499, Laughton Forest.
- Dicyphus errans* (Wolff) (Miridae)  
 VC53: 01/07/2008, SK912666, Whisby N. R., Corner of Grebe Lake.  
 VC54: 01/10/2000, SK997748, Nettleham Fields, old A46 road.
- Dicyphus stachydis* J. Sahlberg (Miridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.  
 VC54: 25/08/2000, TF397666, Spilsby.
- Dryophilocoris flavoquadrimaculatus* (De Geer) (Miridae)  
 VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.  
 VC54: 24/05/2000, SK8295, Owlet Plantation WT Reserve.
- Europiella artemisiae* (Becker) (Miridae)  
 VC53: 22/08/2009, SK960685, Lincoln.
- Grypocoris stysi* (Wagner) (Miridae)  
 VC53: 01/07/1996, TF007706, Washingborough.
- Harpocera thoracica* (Fallén) (Miridae)  
 VC53: 14/08/2005, SK9166, Whisby Nature Park, Grebe Lake Area.
- Heterocordylus tibialis* (Hahn) (Miridae)  
 VC54: 09/07/2006, TF091996, Claxby Moor, A46.
- Heterotoma planicornis* (Pallas) (Miridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Leptopterna dolabrata* (Linnaeus) (Miridae)  
 VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.  
 VC54: 25/07/2000, TF214823, Benniworth, first copse along high street.
- Leptopterna ferrugata* (Fallén) (Miridae)  
 VC53: 26/06/2011, SK958685, Lincoln.
- Liocoris tripustulatus* (Fabricius) (Miridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Lopus decolor* (Fallén) (Miridae)  
 VC53: 09/08/2012, SK9400168172, Lincoln.
- Lygocoris pabulinus* (Linnaeus) (Miridae)  
 VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Lygus maritimus* Wagner (Miridae)  
 VC54: 08/09/2008, TA262112, Grimsby, Pyewipe.
- Lygus pratensis* (Linnaeus) (Miridae)  
 VC53: 19/08/2009, SK958686, Lincoln.  
 VC54: 01/04/2004, TF121753, College Wood, first junction.
- Lygus rugulipennis* Poppius (Miridae)  
 VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.  
 VC54: 27/07/1990, SK8499, Laughton Forest.
- Lygus wagneri* Remane (Miridae)  
 VC54: 10/08/2004, TF131893, Willingham Forest, Chapel Hill Farm.
- Macrolophus pygmaeus* (Rambur) (Miridae)  
 VC54: 17/05/2008, TF257695, Horncastle, Banovallum House.
- Macrolophus rubi* Woodroffe (Miridae)  
 VC53: 29/07/2010, SK946687, Lincoln.
- Macrotylus paykullii* (Fallén) (Miridae)  
 VC54: 21/07/2008, TF470917, Saltfleetby-Theddlethorpe N. R.
- Macrotylus solitarius* (Meyer-Dür) (Miridae)  
 VC54: 26/07/2001, TF133685, Southrey Wood, main entrance.
- Malacocoris chlorizans* (Panzer) (Miridae)  
 VC53: 16/08/2009, SK957686, Lincoln.
- Mecomma ambulans* (Fallén) (Miridae)  
 VC53: 13/08/2012, SK964678, Lincoln.

- Megacoelum infusum* (Herrich-Schaeffer) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Megalocoleus molliculus* (Fallén) (Miridae)  
VC54: 27/07/1990, SK910749, Nr.Saxilby - Fosseydyke Canal.
- Miris striatus* (Linnaeus) (Miridae)  
VC53: 11/06/1995, SK9469, Lincoln - Hartsholme Country Park.
- Neolygus contaminatus* (Fallén) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Neolygus populi* (Leston) (Miridae)  
VC53: 29/08/2009, SK955680, Lincoln.
- Notostira elongata* (Geoffroy) (Miridae)  
VC53: 12/08/2004, TF067676, Potterhanworth Booths.
- Oncotylus viridiflavus* (Goeze) (Miridae)  
VC53: 23/06/2011, SK958685, Lincoln.  
VC54: 02/08/2004, TF146739, Little Meadow - Chambers Farm Wood.
- Orthonotus rufifrons* (Fallén) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Orthops basalis* (A. Costa) (Miridae)  
VC53: 25/08/2009, SK959685, Lincoln.  
VC54: 27/08/2000, TF017847, Spridlington.
- Orthops campestris* (Linnaeus) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.  
VC54: 27/07/1990, SK910749, Nr.Saxilby - Fosseydyke Canal.
- Orthops kalmii* (Linnaeus) (Miridae)  
VC53: 15/07/2009, SK9594068525, Lincoln.  
VC54: 05/08/2008, TF015898, Caenby.
- Orthotylus adenocarpi* (Perris) (Miridae)  
VC54: 27/07/2000, TF140884, Willingham Forest, Picnic area and Ponds.
- Orthotylus flavinervis* (Kirschbaum) (Miridae)  
VC53: 04/07/2010, SK962688, Lincoln.
- Orthotylus flavosparsus* (C.R. Sahlberg) (Miridae)  
VC54: 08/08/2004, TF105892, Market Rasen, Dear Street.
- Orthotylus marginalis* Reuter (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.  
VC54: 26/07/2000, TF228734, Baumber Corner.
- Orthotylus moncreaffi* (Douglas & Scott) (Miridae)  
VC54: 29/06/2006, TF422999, Donna Nook, Car Park.
- Orthotylus nassatus* (Fabricius) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Orthotylus ochrotrichus* Fieber (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Orthotylus prasinus* (Fallén) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Orthotylus tenellus* (Fallén) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Orthotylus virescens* (Douglas & Scott) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.  
VC54: 19/08/2000, TA293064, Cleethorpes, layby opposite Tesco.
- Phoenicocoris obscurellus* (Fallén) (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Phylus coryli* (Linnaeus) (Miridae)  
VC53: 01/07/2008, SK912666, Whisby N. R., Corner of Grebe Lake.
- Phylus melanocephalus* (Linnaeus) (Miridae)  
VC53: 08/06/2006, SK866615, Swinderby, wood by A46.

- Phytocoris dimidiatus* Kirschbaum (Miridae)  
VC54: 01/09/2005, TF131893, Willingham Forest, Chapel Hill Farm.
- Phytocoris longipennis* Flor (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Phytocoris tiliae* (Fabricius) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Phytocoris ulmi* (Linnaeus) (Miridae)  
VC53: 15/08/2004, SK923671, Whisby Pits Complex.
- Phytocoris varipes* Boheman (Miridae)  
VC53: 02/08/2000, TF267368, Wigtoft.  
VC54: 01/08/2001, TF223617, Kirkby Moor, end of track.
- Pilophorus perplexus* Douglas & Scott (Miridae)  
VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.
- Pinalitus cervinus* (Herrich-Schaeffer) (Miridae)  
VC53: 12/08/2004, TF067676, Potterhanworth Booths.
- Pithanus maerkelii* (Herrich-Schaeffer) (Miridae)  
VC53: 06/07/2013, SK945693, Hartsholme Park.
- Placochilus seladonicus* (Fallén) (Miridae)  
VC54: 26/07/2001, SK965927, Atterby.
- Plagiognathus arbustorum* (Fabricius) (Miridae)  
VC53: 27/07/1990, SK9563, Harmston Lowfields, Nr Aubourn.
- Plagiognathus chrysanthemi* (Wolff) (Miridae)  
VC53: 01/07/2008, SK912670, Whisby N. R.
- Platycranus bicolor* (Douglas & Scott) (Miridae)  
VC53: 08/09/2009, SK954690, Lincoln.
- Plesiodesma pinetella* (Zetterstedt) (Miridae)  
VC54: 13/07/2006, TF131893, Willingham Forest, Chapel Hill Farm.
- Polymerus nigrita* (Fallén) (Miridae)  
VC54: 29/08/2004, TF111902, Market Rasen, Tealby road railway crossing.
- Polymerus unifasciatus* (Fabricius) (Miridae)  
VC54: 17/07/2004, TF555582, Gibraltar Point, wood.
- Psallus ambiguus* (Fallén) (Miridae)  
VC53: 09/06/2005, TF249241, Vernatt's LNR, Spalding.
- Psallus confusus* Rieger (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.  
VC54: 25/06/2006, TF133876, Linwood Warren, main entrance.
- Psallus flavellus* Stichel (Miridae)  
VC54: 18/07/2004, TF1275, College Wood.
- Psallus haematodes* (Gmelin) (Miridae)  
VC53: 16/08/2009, SK956686, Lincoln.
- Psallus perrisi* (Mulsant & Rey) (Miridae)  
VC54: 25/06/2000, TF135874, Linwood Warren, mature heather.
- Psallus variabilis* (Fallén) (Miridae)  
VC54: 30/06/2015, TF090923, Osgodby Moor, Heath clearing.
- Psallus varians* (Herrich-Schaeffer) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Pseudoloxops coccineus* (Meyer-Dür) (Miridae)  
VC54: 07/08/2000, TF105892, Market Rasen, Dear Street.
- Rhabdomiris striatellus* (Fabricius) (Miridae)  
VC53: 26/05/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Stenodema calcarata* (Fallén) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.
- Stenodema laevigata* (Linnaeus) (Miridae)  
VC53: 22/06/1995, SK950230, Twyford Forest, Nr. Colsterworth.

*Stenotus binotatus* (Fabricius) (Miridae)

VC53: 02/07/2009, SK9649468781, Lincoln.

*Sthenarus rotermundi* (Scholtz) (Miridae)

VC53: 29/08/2009, SK955680, Lincoln .

*Trigonotylus caelestialium* (Kirkaldy) (Miridae)

VC53: 30/09/2009, SK961685, Lincoln.

VC54: 08/08/2004, TF105892, Market Rasen, Dear Street.

*Trigonotylus ruficornis* (Geoffroy) (Miridae)

VC54: 10/08/2004, TF131893, Willingham Forest, Chapel Hill Farm.

*Tupiocoris rhododendri* (Dolling) (Miridae)

VC53: 27/07/1990, SK905685, Cinder Plot - Doddington Woods.

*Tytthus pygmaeus* (Zetterstedt) (Miridae)

VC54: 21/07/2008, TF470917, Saltfleetby-Theddlethorpe N. R.

*Chartoscirta cincta* (Herrich-Schaeffer) (Saldidae)

VC53: 26/10/2011, SK966680, Lincoln.

#### **Appendix B: records from a dataset provided by Richard Chadd**

*Mesovelia furcata* Mulsant & Rey (Mesoveliidae)

VC53: 22-Sep-1999, TF2190021200, Horseshoe Bridge, South Drove Drain.

VC54: 12-Sep-1995, TF3290046500, Rawsons Bridge, Maud Foster Drain.

*Hebrus ruficeps* Thomson (Hebridae)

VC53: 8-Jul-2007, SK942686, Swanholme Lakes, Lincoln.

*Notonecta obliqua* Thunberg (Notonectidae)

VC53: 22-Sep-2008, SK9873526060, B1176, West Glen River.

VC54: 20-Sep-1994, TF2920050100, B1184, Newham Drain.

EDITOR'S NOTE: Perhaps the most interesting record in the datasets is the one for *Anthocoris pilosus* (Jakovlev) (Anthocoridae). This is only the second published record for this species in the British Isles. The previous record was from Isle of Scalpay, Hebrides, Scotland in 1936 (Southwood & Leston, 1959, *Land and water bugs of the British Isles*, Warne).

**NEW COUNTY RECORDS OF HEMIPTERA-HETEROPTERA  
FROM A DATA SET PROVIDED BY STEVE LANE**

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Steve Lane recently sent me an Excel spreadsheet containing 12,461 records of Hemiptera-Heteroptera which I checked against the county distribution (Ryan 2014a & 2014b). The data set was found to contain 264 records new to the county distribution, which I list below.

*Aneurus avenius* (Dufour) (Aradidae)

WEST NORFOLK (VC28): 15 May 2014, TL7786, Brandon.

WEST SUFFOLK (VC26): 07 Aug 2015, TL78, Brandon.

*Cyphostethus tristriatus* (Fabricius) (Acanthosomatidae)

WEST NORFOLK (VC28): 03 Nov 2014, TF6740, Hunstanton, Tesco's car park.

WEST SUFFOLK (VC26): 19 Aug 2014, TL78, Brandon.

*Elasmotethus interstinctus* (Linnaeus) (Acanthosomatidae)

SHROPSHIRE (VC40): 21 Apr 2008, SJ491160, Hencott Pool.

*Elasmucha grisea* (Linnaeus) (Acanthosomatidae)

DERBYSHIRE (VC57): May 2012, SK3947, Denby.

*Sehirus luctuosus* Mulsant & Rey (Cydnidae)

LEICESTERSHIRE (VC55): 06 May 2014, SK4311, Hugglescote coal waste site.

WARWICKSHIRE (VC38): 09 May 1998, SP1755, Bishopton Lane.

*Thyreocoris scarabaeoides* (Linnaeus) (Thyreocoridae)

WEST SUFFOLK (VC26): 16 May 2014, TL78, Brandon.

*Eurygaster testudinaria* (Geoffroy) (Scutelleridae)

WARWICKSHIRE (VC38): 24 May 2007, SP3875, Brandon Marsh NR.

*Aelia acuminata* (Linnaeus) (Pentatomidae)

LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.

STAFFORDSHIRE (VC39): 25 Jun 2012, SP0199, Mill Lane LNR, Walsall.

*Dolycoris baccarum* (Linnaeus) (Pentatomidae)

DERBYSHIRE (VC57): 10 Jun 2012, SK098725, Wye Valley.

NOTTINGHAMSHIRE (VC56): 2012, SK5524, Rempstone.

*Eurydema oleracea* (Linnaeus) (Pentatomidae)

WEST NORFOLK (VC28): 10 May 2014, TL7887, Brandon, Norfolk.

WEST SUFFOLK (VC26): 25 Apr 2014, TL78, Brandon, Suffolk.

WARWICKSHIRE (VC38): 2004, SP390688, Eathorpe NR.

*Eysarcoris venustissimus* (Schrank) (Pentatomidae)

DERBYSHIRE (VC57): May 2012, SK3947, Denby.

WEST NORFOLK (VC28): 12 Sep 2013, TF6834, Snettisham, Carrstone Pit (Frimstone Ltd).

NOTTINGHAMSHIRE (VC56): 2012, SK5524, Rempstone.

STAFFORDSHIRE (VC39): 16 Aug 2013, SK1815, Catholme (near Barton-under-Needwood).

*Neottiglossa pusilla* (Gmelin) (Pentatomidae)

DERBYSHIRE (VC57): May 2012, SK3947, Denby.

LEICESTERSHIRE (VC55): 16 Apr 2014, SK4212, Hugglescote.

*Palomena prasina* (Linnaeus) (Pentatomidae)

LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.

STAFFORDSHIRE (VC39): 25 Jun 2012, SP0194, Wednesbury/West Bromwich.

*Piezodorus lituratus* (Fabricius) (Pentatomidae)

LEICESTERSHIRE (VC55): 16 Apr 2014, SK4311, Hugglescote coal waste site.

STAFFORDSHIRE (VC39): 25 Jul 2012, SK0100, Mill Lane LNR, Walsall.

*Podops inunctus* (Fabricius) (Pentatomidae)

STAFFORDSHIRE (VC39): 26 Jun 2012, SK0503, Shire Oak NR, Brownhills.



- Troilus luridus* (Fabricius) (Pentatomidae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Zicrona caerulea* (Linnaeus) (Pentatomidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Arenocoris fallenii* (Schilling) (Coreidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Arenocoris waltlii* (Herrich-Schaeffer) (Coreidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Ceraleptus lividus* Stein (Coreidae)  
WEST NORFOLK (VC28): 01 Sep 2014, TF7044, Holme.  
WARWICKSHIRE (VC38): 27 May 2015, SP3770, Wappenbury Wood NR.
- Coreus marginatus* (Linnaeus) (Coreidae)  
CAMBRIDGESHIRE (VC29): 23 Jul 2015, TL56.  
LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.  
WEST NORFOLK (VC28): 26 Sep 2013, TF7511, Narborough Dismantled Railway Line NR.  
STAFFORDSHIRE (VC39): 25 Jun 2012, SO9495, Bilston, Wolverhampton.  
WARWICKSHIRE (VC38): 23 Apr 2005, SP2055, Moat House Grounds.
- Coriomeris denticulatus* (Scopoli) (Coreidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.  
DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
LEICESTERSHIRE (VC55): 16 Apr 2014, SK4312, Hugglescote coal waste site.  
STAFFORDSHIRE (VC39): 25 Jun 2012, SP0194, Wednesbury/West Bromwich.
- Gonocerus acuteangulatus* (Goeze) (Coreidae)  
WEST SUFFOLK (VC26): 30 Jul 2014, TL78, Brandon.
- Syromastus rhombeus* (Linnaeus) (Coreidae)  
WEST NORFOLK (VC28): 29 Jan 2014, TF8331, Syderstone Common NR.
- Corizus hyoscyami* (Linnaeus) (Rhopalidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.  
WARWICKSHIRE (VC38): 2011, SP290895, Arley.
- Myrmus miriformis* (Fallén) (Rhopalidae)  
DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.
- Rhopalus parumpunctatus* Schilling (Rhopalidae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Rhopalus subrufus* (Gmelin) (Rhopalidae)  
CAMBRIDGESHIRE (VC29): 10 Sep 2015, TL46.  
DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
LEICESTERSHIRE (VC55): 06 May 2014, SK4212, Hugglescote, railway triangle grassland.  
STAFFORDSHIRE (VC39): 25 Jun 2012, SO9495, Bilston, Wolverhampton.
- Stictopleurus abutilon* (Rossi) (Rhopalidae)  
WEST SUFFOLK (VC26): 03 Sep 2015, TL78.
- Stictopleurus punctatonervosus* (Goeze) (Rhopalidae)  
DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
NORTHAMPTONSHIRE (VC32): 29 Sep 2014, SP8891, Corby, Brookfield Plantation.  
STAFFORDSHIRE (VC39): 09 Aug 2012, SO9495, Bilston, Wolverhampton.  
WARWICKSHIRE (VC38): 15 Jul 2005, SP3877, Claybrookes Marsh.
- Cymus glandicolor* Hahn (Lygaeidae)  
LEICESTERSHIRE (VC55): 06 May 2014, SK4312, Hugglescote coal waste site.
- Cymus melanocephalus* Fieber (Lygaeidae)  
CAMBRIDGESHIRE (VC29): 10 Jun 2015, TL46.  
DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
STAFFORDSHIRE (VC39): 25 Jun 2012, SP0199, Mill Lane LNR, Walsall.
- Drymus latus* Douglas & Scott (Lygaeidae)  
WEST NORFOLK (VC28): 22 Nov 2013, TF68713679, Heacham Chalk Pit.  
WARWICKSHIRE (VC38): 12 Mar 2013, SP434519, Fenny Compton (near).

- Drymus ryeii* Douglas & Scott (Lygaeidae)  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
 STAFFORDSHIRE (VC39): 26 Jun 2012, SK0503, Shire Oak NR, Brownhills.  
 WEST SUFFOLK (VC26): 16 May 2014, TL78, Brandon.
- Eremocoris podagricus* (Fabricius) (Lygaeidae)  
 WEST NORFOLK (VC28): 26 Sep 2013, TF7610, Narborough (fields near railway line NR).  
 WEST SUFFOLK (VC26): 16 May 2014, TL7686, Brandon.
- Henestaris halophilus* (Burmeister) (Lygaeidae)  
 WEST NORFOLK (VC28): 20 Jul 2015, TF8046, Scolt Head NR.
- Heterogaster urticae* (Fabricius) (Lygaeidae)  
 DERBYSHIRE (VC57): 27 Jun 2013, SK3735, The Sanctuary, Pride Park, Derby.  
 STAFFORDSHIRE (VC39): 25 Jun 2012, SO9495, Bilston, Wolverhampton.
- Ischnocoris angustulus* (Boheman) (Lygaeidae)  
 STAFFORDSHIRE (VC39): 07 Aug 1994, SO8389, Highgate Common.
- Ischnodemus sabuleti* (Fallén) (Lygaeidae)  
 CAMBRIDGESHIRE (VC29): 10 Jun 2015, TL46.  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
 LEICESTERSHIRE (VC55): 16 Apr 2014, SK4311, Hugglescote coal waste site.  
 WEST NORFOLK (VC28): 27 Jul 2013, TF6637, Heacham dunes.  
 EAST NORFOLK (VC27): 18 Jul 2014, TG3621, Catfield Fen.  
 NOTTINGHAMSHIRE (VC56): 04 Jun 2013, SK43.  
 STAFFORDSHIRE (VC39): 09 Aug 2012, SO9791, Sandwell.
- Kleidocerys resedae* (Panzer) (Lygaeidae)  
 CAMBRIDGESHIRE (VC29): 10 Jun 2015, TL46.  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
 NOTTINGHAMSHIRE (VC56): 04 Jun 2013, SK43.
- Lasiosomus enervis* (Herrich-Schaeffer) (Lygaeidae)  
 WEST NORFOLK (VC28): 13 Mar 2014, TF7804, Cockleycley Wood, Deadman's Plantation.  
 WARWICKSHIRE (VC38): 29 Apr 1997, SP2934, Whichford Wood (DJMann).
- Megalonotus antennatus* (Schilling) (Lygaeidae)  
 WEST NORFOLK (VC28): 23 Jul 2014, TF70.
- Megalonotus chiragra* (Fabricius) (Lygaeidae)  
 CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.  
 DERBYSHIRE (VC57): 10 JUN 2012, SK133733, Wye Valley, quarry.  
 LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.  
 WEST NORFOLK (VC28): 04 Sep 2013, TF6432, Snettisham (near yacht club).  
 STAFFORDSHIRE (VC39): 25 Jun 2012, SP0194, Wednesbury/West Bromwich.  
 WEST SUFFOLK (VC26): 04 May 2014, TL7685, Brandon.
- Megalonotus emarginatus* (Rey) (Lygaeidae)  
 CAMBRIDGESHIRE (VC29): 10 Jun 2015, TL46.
- Nysius ericae* (Schilling) (Lygaeidae)  
 STAFFORDSHIRE (VC39): 16 Aug 2013, SK1815, Catholme (near Barton-under-Needwood).
- Nysius huttoni* F.B. White (Lygaeidae)  
 CAMBRIDGESHIRE (VC29): 10 Jun 2015, TL46.  
 DERBYSHIRE (VC57): 01 Aug 2013, SK3735, The Sanctuary, Pride Park, Derby.  
 WEST NORFOLK (VC28): 12 Jun 2014, TL7887, Brandon.
- Nysius senecionis* (Schilling) (Lygaeidae)  
 WEST SUFFOLK (VC26): 01 May 2014, TL7786, Brandon.  
 WARWICKSHIRE (VC38): 05 Oct 2009, SP0653, Wood Bevington/Cock Bevington.
- Nysius thymi* (Wolff) (Lygaeidae)  
 WARWICKSHIRE (VC38): 17 Sep 2009, SP0995, Sutton Park (Longmoor Pool area), heathland.
- Orsillus depressus* (Mulsant & Rey) (Lygaeidae)  
 WARWICKSHIRE (VC38): 29 Apr 2007, SP4257, Hodnell Manor grounds.

- Peritrechus geniculatus* (Hahn) (Lygaeidae)  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
 STAFFORDSHIRE (VC39): 11 Apr 1995, SO8389, Highgate Common.
- Peritrechus nubilus* (Fallén) (Lygaeidae)  
 STAFFORDSHIRE (VC39): 16 Aug 2013, SK1815, Catholme (near Barton-under-Needwood).  
 WARWICKSHIRE (VC38): 25 Jul 2009, SP2540, Shipston-on-Stour.
- Plinthinus brevipennis* (Latreille) (Lygaeidae)  
 STAFFORDSHIRE (VC39): 19 May 1995, SO8389, Highgate Common.
- Scolopostethus grandis* Horváth (Lygaeidae)  
 DERBYSHIRE (VC57): 19 JUN 2012, SK261562, Via Gellia, Hopton Quarry.  
 WEST NORFOLK (VC28): 16 Jul 2014, TF6943, Hunstanton dunes.  
 NORTHAMPTONSHIRE (VC32): 29 Sep 2014, SP8891, Corby, Brookfield Plantation.  
 WEST SUFFOLK (VC26): 03 Sep 2015, TL78.
- Scolopostethus puberulus* Horváth (Lygaeidae)  
 BUCKINGHAMSHIRE (VC24): 15 May 2013, SP62.
- Stygnocoris fuligineus* (Geoffroy) (Lygaeidae)  
 LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.
- Taphropeltus contractus* (Herrich-Schaeffer) (Lygaeidae)  
 DERBYSHIRE (VC57): 10 JUN 2012, SK133733, Wye Valle, quarry.
- Trapezonotus desertus* Seidenstücker (Lygaeidae)  
 DERBYSHIRE (VC57): 14 Jun 2012, SK251804, East Peak Moors.  
 STAFFORDSHIRE (VC39): 07 Aug 1994, SO8389, Highgate Common.
- Trapezonotus dispar* Stål (Lygaeidae)  
 DERBYSHIRE (VC57): 19 JUN 2012, SK261562, Via Gellia, Hopton Quarry.
- Berytinus crassipes* (Herrich-Schaeffer) (Berytidae)  
 LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.
- Berytinus minor* (Herrich-Schaeffer) (Berytidae)  
 LEICESTERSHIRE (VC55): 16 Apr 2014, SK4312, Hugglescote coal waste site.
- Berytinus montivagus* (Meyer-Dür) (Berytidae)  
 LEICESTERSHIRE (VC55): 16 Apr 2014, SK4312, Hugglescote coal waste site.
- Metatropis rufescens* (Herrich-Schaeffer) (Berytidae)  
 WEST NORFOLK (VC28): 29 Jun 2014, TF7015, East Winch Common.
- Neides tipularius* (Linnaeus) (Berytidae)  
 CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Piesma maculatum* (Laporte) (Piesmatidae)  
 NORTHAMPTONSHIRE (VC32): 21 May 2015, SP88.
- Acalypta parvula* (Fallén) (Tingidae)  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.
- Catoplatus fabricii* (Stål) (Tingidae)  
 LEICESTERSHIRE (VC55): 16 Apr 2014, SK4312, Hugglescote coal waste site.
- Dictyonota strichnocera* Fieber (Tingidae)  
 STAFFORDSHIRE (VC39): 29 Jul 1994, SK0510, Gentleshaw Common.
- Physatocheila dumetorum* (Herrich-Schaeffer) (Tingidae)  
 NORTHAMPTONSHIRE (VC32): 23 May 2013, SP45.  
 NOTTINGHAMSHIRE (VC56): 04 Jun 2013, SK5039.  
 STAFFORDSHIRE (VC39): Sep 2012, SK0401, Aldridge.
- Tingis ampliata* (Herrich-Schaeffer) (Tingidae)  
 DERBYSHIRE (VC57): May 2012, SK3947, Denby.  
 SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.  
 STAFFORDSHIRE (VC39): 01 Jun 1995, SJ9239, Barlaston Common, Staffordshire.
- Himacerus apterus* (Fabricius) (Nabidae)  
 STAFFORDSHIRE (VC39): Sep 2012, SK0401, Aldridge.
- Himacerus mirmicoides* (O. Costa) (Nabidae)  
 LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.  
 STAFFORDSHIRE (VC39): 25 Jun 2013, SK0402, Aldridge Brick Quarry (Brick Kiln Lane).

- Nabis lineatus* Dahlbom (Nabidae)  
WARWICKSHIRE (VC38): 1890, SP24, Whitchurch.
- Acompocoris alpinus* Reuter (Anthocoridae)  
CAMBRIDGESHIRE (VC29): 23 Jul 2015, TL46.
- Acompocoris pygmaeus* (Fallén) (Anthocoridae)  
SHROPSHIRE (VC40): 06 May 2008, SJ491160, Hencott Pool.
- Anthocoris amplicollis* Horváth (Anthocoridae)  
WEST SUFFOLK (VC26): 19 Aug 2014, TL7685, Brandon. Two beaten off ash at woodland edge.
- Anthocoris butleri* Le Quesne (Anthocoridae)  
WEST NORFOLK (VC28): 20 Nov 2014, TF6941, Hunstanton Park (off box).  
WARWICKSHIRE (VC38): 05 Oct 2009, SP0652, Wood Bevington/Cock Bevington (off box).
- Anthocoris limbatus* Fieber (Anthocoridae)  
WEST NORFOLK (VC28): 08 Oct 2015, TF6713, Blackborough End Gravel Pits Fishing Lakes.  
WARWICKSHIRE (VC38): 12 Aug 2011, SP2382, Meriden Sand & Gravel Quarry (Tarmac).
- Anthocoris nemoralis* (Fabricius) (Anthocoridae)  
LEICESTERSHIRE (VC55): 16 Apr 2014, SK4311, Hugglescote coal waste site.
- Anthocoris sarothamni* Douglas & Scott (Anthocoridae)  
STAFFORDSHIRE (VC39): 01 Aug 1994, SJ9239, Barlaston Common, Staffordshire.
- Anthocoris visci* Douglas (Anthocoridae)  
WARWICKSHIRE (VC38): 19 Sep 1998, SP2054, Stratford-upon-Avon (off mistletoe)
- Buchananiella continua* (F.B. White) (Anthocoridae)  
WEST SUFFOLK (VC26): 07 Aug 2015, TL78 Brandon.  
WARWICKSHIRE (VC38): 12 Jun 2009, SP0584, Edgbaston Park.
- Cardiastethus fasciiventris* (Garbiglietti) (Anthocoridae)  
WARWICKSHIRE (VC38): 04 Sep 2004, SP2559, Hampton Wood NR.
- Orius laticollis* (Reuter) (Anthocoridae)  
WARWICKSHIRE (VC38): 09 Aug 2010, SP2886, Fillongley.
- Orius vicinus* (Ribaut) (Anthocoridae)  
LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.  
STAFFORDSHIRE (VC39): Sep 2012, SK0401, Aldridge.
- Temnostethus gracilis* Horváth (Anthocoridae)  
CAMBRIDGESHIRE (VC29): 23 Jul 2015, TL46.  
WEST NORFOLK (VC28): 16 Sep 2014, TF9030, Sculthorpe Moor NR.
- Temnostethus pusillus* (Herrich-Schaeffer) (Anthocoridae)  
WEST NORFOLK (VC28): 15 May 2014, TL7786, Brandon.  
WEST SUFFOLK (VC26): 22 Jul 2014, TL9935, Tendring Hall, Stoke-by-Nayland.
- Loricula coleoptrata* (Fallén) (Microphysidae)  
WEST NORFOLK (VC28): 2015, TL88.
- Adelphocoris lineolatus* (Goeze) (Miridae)  
DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.
- Agnocoris reclairi* (Wagner) (Miridae)  
DERBYSHIRE (VC57): 01 Aug 2013, SK3734, The Sanctuary, Pride Park, Derby.
- Alloeotomus gothicus* (Fallén) (Miridae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.  
WEST NORFOLK (VC28): 30 Sep 2013, TF6524, Ling Common, North Wootton.
- Amblytylus nasutus* (Kirschbaum) (Miridae)  
NOTTINGHAMSHIRE (VC56): 09 Jul 2013, SK4939.  
STAFFORDSHIRE (VC39): 18 Jun 2012, SK098560, Manifold Valley, Staffordshire.
- Apolygus lucorum* (Meyer-Dür) (Miridae)  
STAFFORDSHIRE (VC39): 29 Jul 1994, SK0510, Gentleshaw Common.
- Apolygus spinolae* (Meyer-Dür) (Miridae)  
SHROPSHIRE (VC40): 08 Sep 2008, SJ491160, Hencott Pool.
- Atractotomus mali* (Meyer-Dür) (Miridae)  
DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.

- Bryocoris pteridis* (Fallén) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Calocoris alpestris* (Meyer-Dür) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.  
WARWICKSHIRE (VC38): 28 May 1998, SP2092, Hams Hall.
- Campylomma annulicorne* (Signoret) (Miridae)  
WARWICKSHIRE (VC38): 08 Aug 2009, SP3875, Brandon Marsh NR.
- Campylomma verbasci* (Meyer-Dür) (Miridae)  
CAMBRIDGESHIRE (VC29): 10 Sep 2015, TL46.  
WEST NORFOLK (VC28): 12 Sep 2013, TF6834, Snettisham, Carrstone Pit (Frimstone Ltd).
- Capsus ater* (Linnaeus) (Miridae)  
HEREFORDSHIRE (VC36): 2008, SO5215, Ganarew, Herefordshire A40.
- Charagochilus gyllenhalii* (Fallén) (Miridae)  
STAFFORDSHIRE (VC39): 07 Aug 1994, SO8389, Highgate Common.
- Chlamydatus evanescens* (Boheman) (Miridae)  
WEST NORFOLK (VC28): 13 Dec 2013, TF6842, Hunstanton dunes.
- Chlamydatus pulicarius* (Fallén) (Miridae)  
WEST NORFOLK (VC28): 2015, TL89.
- Chlamydatus saltitans* (Fallén) (Miridae)  
STAFFORDSHIRE (VC39): Sep 2012, SK0401, Aldridge.
- Chlamydatus wilkinsoni* (Douglas & Scott) (Miridae)  
DERBYSHIRE (VC57): 14 Jun 2012, SK262807, East Peak Moors.
- Closterotomus norwegicus* (Gmelin) (Miridae)  
HUNTINGDONSHIRE (VC31): 24 Jun 2015, TL19.
- Conostethus roseus* (Fallén) (Miridae)  
WARWICKSHIRE (VC38): 11 Jul 1988, SP3478, Charterhouse (Barlow, A.C.).
- Cyllocoris histrionius* (Linnaeus) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Deraeocoris flavilinea* (A. Costa) (Miridae)  
CAMBRIDGESHIRE (VC29): 19 Jun 2015, TL46.  
WEST NORFOLK (VC28): 10 Jun 2014, TL7887, Brandon.  
STAFFORDSHIRE (VC39): 25 Jun 2012, SO9495, Bilston, Wolverhampton.  
WEST SUFFOLK (VC26): 10 Jun 2014, TL78, Brandon.  
WARWICKSHIRE (VC38): 2011, SP290895, Arley.
- Deraeocoris lutescens* (Schilling) (Miridae)  
NOTTINGHAMSHIRE (VC56): 09 Jul 2013, SK5039.  
SHROPSHIRE (VC40): 06 May 2008, SJ491160, Hencott Pool.
- Dichrooscytus rufipennis* (Fallén) (Miridae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.
- Dicyphus epilobii* Reuter (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Dicyphus errans* (Wolff) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Dicyphus escalerae* Lindberg (Miridae)  
DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.  
WARWICKSHIRE (VC38): 10 Jul 2013, SP281873, Fillongley, 11 Nuneaton Road, in garden.
- Dicyphus globulifer* (Fallén) (Miridae)  
SHROPSHIRE (VC40): 06 May 2008, SJ491160, Hencott Pool.
- Dicyphus stachydis* J. Sahlberg (Miridae)  
LEICESTERSHIRE (VC55): 16 Apr 2014, SK4311, Hugglescote coal waste site.  
SHROPSHIRE (VC40): 21 Apr 2008, SJ491160, Hencott Pool.
- Europiella artemisiae* (Becker) (Miridae)  
CAMBRIDGESHIRE (VC29): 22 Jul 2015, TL46.  
WEST NORFOLK (VC28): 12 Jun 2014, TL7887, Brandon.  
NOTTINGHAMSHIRE (VC56): 09 Jul 2013, SK5039.

*Europiella artemisiae* (Becker) (Miridae) (*Continued*)

STAFFORDSHIRE (VC39): 25 Jun 2012, SP0194, Wednesbury/West Bromwich.

WEST SUFFOLK (VC26): 03 Sep 2015, TL78, Brandon.

WARWICKSHIRE (VC38): 03 Aug 1987, SP3483, Longford LNR, Coventry.

*Europiella decolor* (Uhler) (Miridae)

WEST NORFOLK (VC28): 31 Jul 2012, TF9644, Stiffkey saltmarshes.

*Grypocoris stysi* (Wagner) (Miridae)

WEST SUFFOLK (VC26): 10 Jun 2014, TL7686, Brandon.

*Halticus luteicollis* (Panzer) (Miridae)

WEST NORFOLK (VC28): 12 Jul 2014, TL7786, Brandon.

*Hoplomachus thunbergii* (Fallén) (Miridae)

WEST NORFOLK (VC28): 20 Jun 2014, TF7325, Hillington Road Verge NR.

*Lopus decolor* (Fallén) (Miridae)

STAFFORDSHIRE (VC39): 29 Jul 1994, SK0510, Gentleshaw Common.

*Lygocoris rugicollis* (Fallén) (Miridae)

NORTHAMPTONSHIRE (VC32): 17 Jun 2015, SP88.

*Lygus maritimus* Wagner (Miridae)

EAST KENT (VC15): 03 Jul 2012, TQ8172, Kingsnorth, Isle of Grain.

WEST NORFOLK (VC28): 15 Sep 2014, TF7244, Holme saltmarsh and path.

*Lygus pratensis* (Linnaeus) (Miridae)

DERBYSHIRE (VC57): 10 Jun 2012, SK098725, Wye Valley.

WARWICKSHIRE (VC38): 04 Sep 2010, SP2090, Coleshill Quarry.

*Lygus rugulipennis* Poppius (Miridae)

LEICESTERSHIRE (VC55): 06 May 2014, SK4311, Hugglescote coal waste site.

STAFFORDSHIRE (VC39): 08 Aug 2012, SO9893, West Bromwich.

*Lygus wagneri* Remane (Miridae)

DERBYSHIRE (VC57): 19 Jun 2012, SK267567, Via Gellia.

WARWICKSHIRE (VC38): 29 Sep 2011, SP2382, Meriden Sand & Gravel Quarry (Tarmac).

*Malacocoris chlorizans* (Panzer) (Miridae)

SHROPSHIRE (VC40): 08 Sep 2008, SJ491160, Hencott Pool.

*Megacoelum infusum* (Herrich-Schaeffer) (Miridae)

STAFFORDSHIRE (VC39): 26 Aug 2013, SK1612, Brookhay, near Fradley South.

*Megaloceroea recticornis* (Geoffroy) (Miridae)

DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.

STAFFORDSHIRE (VC39): 25 Jul 2012, SK0100, Mill Lane LNR, Walsall.

*Miridius quadrivirgatus* (A. Costa) (Miridae)

STAFFORDSHIRE (VC39): 16 Aug 2013, SK1916, Catholme, near Barton-under-Needwood.

*Miris striatus* (Linnaeus) (Miridae)

SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.

*Neolygus populi* (Leston) (Miridae)

CAMBRIDGESHIRE (VC29): 17 Jul 2015, TL48.

LEICESTERSHIRE (VC55): 02 Aug 2015, SP8797, Lyddington.

*Oncotylus viridiflavus* (Goeze) (Miridae)

WEST NORFOLK (VC28): 21 Jul 2014, TF7142, Holme, Green Bank (east end).

STAFFORDSHIRE (VC39): 25 Jul 2012, SK0100, Mill Lane LNR, Walsall.

*Orthocephalus coriaceus* (Fabricius) (Miridae)

HEREFORDSHIRE (VC36): 2008, SO5215, Ganarew, Herefordshire A40.

*Orthops campestris* (Linnaeus) (Miridae)

CAMBRIDGESHIRE (VC29): 17 Jul 2015, TL48.

LEICESTERSHIRE (VC55): 06 May 2014, SK4311, Hugglescote coal waste site.

WEST NORFOLK (VC28): 21 Jul 2014, TF7142, Holme, Green Bank (east end).

NORTHAMPTONSHIRE (VC32): 15 May 2015, SP88.

NOTTINGHAMSHIRE (VC56): 2012, SK5524, Rempstone.

SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.

STAFFORDSHIRE (VC39): 01 Jun 1995, SJ9239, Barlaston Common, Staffordshire.

- Orthotylus flavosparsus* (C.R. Sahlberg) (Miridae)  
STAFFORDSHIRE (VC39): 16 Aug 2013, SK1815, Catholme (near Barton-under-Needwood).
- Orthotylus marginalis* Reuter (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Orthotylus nassatus* (Fabricius) (Miridae)  
LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.
- Orthotylus ochrotrichus* Fieber (Miridae)  
STAFFORDSHIRE (VC39): 29 Jul 1994, SK0510, Gentleshaw Common.
- Orthotylus tenellus* (Fallén) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Orthotylus virescens* (Douglas & Scott) (Miridae)  
STAFFORDSHIRE (VC39): 09 Aug 2012, SO9791, Sandwell.
- Phoenicocoris obscurellus* (Fallén) (Miridae)  
LEICESTERSHIRE (VC55): 11 Aug 2012, SP5398, Narborough.
- Phylus melanocephalus* (Linnaeus) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Pilophorus clavatus* (Linnaeus) (Miridae)  
NORTHAMPTONSHIRE (VC32): 06 Sep 2012, SP9680, Lowick.  
WEST SUFFOLK (VC26): 07 Aug 2015, TL78, Brandon.
- Pilophorus perplexus* Douglas & Scott (Miridae)  
CAMBRIDGESHIRE (VC29): 23 Jul 2015, TL46.  
STAFFORDSHIRE (VC39): 26 Aug 2013, SK1612, Brookhay, near Fradley South.
- Pinalitus rubricatus* (Fallén) (Miridae)  
WARWICKSHIRE (VC38): 28 Jul 2001, SP2895, Bentley Wood.
- Platycranus bicolor* (Douglas & Scott) (Miridae)  
STAFFORDSHIRE (VC39): 26 Aug 2013, SK1612, Brookhay, near Fradley South.
- Polymerus nigrata* (Fallén) (Miridae)  
STAFFORDSHIRE (VC39): 25 Jul 2012, SP0199, Mill Lane LNR, Walsall.
- Polymerus palustris* (Reuter) (Miridae)  
WARWICKSHIRE (VC38): 1999, SP0998, Sutton Park.
- Psallus lepidus* Fieber (Miridae)  
CAMBRIDGESHIRE (VC29): 17 Jul 2015, TL48.
- Psallus luridus* Reuter (Miridae)  
WARWICKSHIRE (VC38): 07 Aug 2001, SP2895, Bentley Wood.
- Pseudoloxops coccineus* (Meyer-Dür) (Miridae)  
STAFFORDSHIRE (VC39): 16 Aug 2013, SK1916, Catholme, near Barton-under-Needwood.
- Rhabdomiris striatellus* (Fabricius) (Miridae)  
SHROPSHIRE (VC40): 16 Jun 2008, SJ491160, Hencott Pool.
- Salicarus roseri* (Herrich-Schaeffer) (Miridae)  
DERBYSHIRE (VC57): 18 Jul 2013, SK3735, The Sanctuary, Pride Park, Derby.
- Trigonotylus caelestialium* (Kirkaldy) (Miridae)  
WEST NORFOLK (VC28): 18 Aug 2014, TF7043, Redwell Marsh SSSI.  
STAFFORDSHIRE (VC39): Sep 2012, SK0401, Aldridge.  
WEST SUFFOLK (VC26): 07 Aug 2015, TL78, Brandon.
- Trigonotylus ruficornis* (Geoffroy) (Miridae)  
WEST NORFOLK (VC28): 07 Jul 2014, TF7043, Holme.  
STAFFORDSHIRE (VC39): 23 Jun 1995, SO8389, Highgate Common.  
WARWICKSHIRE (VC38): 16 Aug 1996, SP0995, Sutton Park.
- Tupiocoris rhododendri* (Dolling) (Miridae)  
WARWICKSHIRE (VC38): 30 Jun 2009, SP2075, Temple Balsall.
- Hebrus ruficeps* Thomson (Hebridae)  
WARWICKSHIRE (VC38): 22 Mar 1998, SP0998, Sutton Park (Little Bracebridge Pool).
- Hesperocorixa linnaei* (Fieber) (Corixidae)  
LEICESTERSHIRE (VC55): 16 Apr 2014, SK4311, Hugglescote coal waste site.

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## THE 2015 HEMIPTERA-HETEROPTERA COUNTY RECORD ROUNDUP

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The new county records published in journals outside the *Hemipterist* in 2015, which have not already been included in other articles in this journal, are listed below.

### ARADIDAE

*Aneurus avenius* (Dufour): Bedfordshire (VC30) (Nau, 2015).

### CYDNIDAE

*Legnotus limbosus* (Geoffroy): Shropshire (VC40) (Fowler, 2015).

*Tritomegas sexmaculatus* (Rambur): Middlesex (VC21) (Bantock, 2015b).

### SCUTELLERIDAE

*Eurygaster testudinaria* (Geoffroy) : Shropshire (VC40) (Fowler, 2015).

### PENTATOMIDAE

*Eurydema oleracea* (Linnaeus): Monmouthshire (VC35) (Bantock, 2015b).

*Podops inunctus* (Fabricius): South-west Yorkshire (VC63) (Bantock, 2015b).

*Rhacognathus punctatus* (Linnaeus): Shropshire (VC40) (Fowler, 2015).

### COREIDAE

*Ceraleptus lividus* Stein: South-west Yorkshire (VC63) & Nottinghamshire (VC56) (Flanagan, 2015); Shropshire (VC40) (Fowler, 2015).

*Gonocerus acuteangulatus* (Goeze): Leicestershire (VC55) (Bantock, 2015b).

### LYGAEIDAE

*Drymus pumilio* Puton: South Essex (VC18) (Bantock, 2015b).

*Gastrodes abietum* Bergroth: Buckinghamshire (VC24) (Ryan, 2015d).

*Ischnodemus sabuleti* (Fallén): County Durham (VC66) (Flanagan, 2015).

*Megalonotus antennatus* (Schilling): South-west Yorkshire (VC63) (Flanagan, 2015).

*Megalonotus chiragra* (Fabricius): Shropshire (VC40) (Fowler, 2015).

*Megalonotus dilatatus* (Herrich-Schaeffer): Shropshire (VC40) (Fowler, 2015).

*Nysius ericae* (Schilling): Berkshire (VC22) (Hollier, 2015).

*Nysius huttoni* F.B. White: South-west Yorkshire (VC63) (Flanagan, 2015).

*Orsillus depressus* (Mulsant & Rey): North Hampshire (VC12) (Denton, 2015).

*Peritrechus lundii* (Gmelin): Shropshire (VC40) (Fowler, 2015).

*Scolopostethus pictus* (Schilling): Shropshire (VC40) (Fowler, 2015).



NABIDAE

- Himacerus boops* (Schiødte): Bedfordshire (VC30) (Nau, 2015).  
*Nabis capsiformis* Germar: West Cornwall (VC1) (Bantock, 2015a). New to Britain.

ANTHOCORIDAE

- Cardiastethus fasciventris* (Garbiglietti): Buckinghamshire (VC24) (Ryan, 2015d).  
*Orius horvathi* (Reuter): Northamptonshire (VC32) (Bantock, 2015a). New to Britain.

MIRIDAE

- Calocoris alpestris* (Meyer-Dür): North Wiltshire (VC7) & Herefordshire (VC36) (Alexander, 2015).  
*Charagochilus gyllenhalii* (Fallén): Shropshire (VC40) (Fowler, 2015).  
*Chlamydatus evanescens* (Boheman): Hertfordshire (VC20), Warwickshire (VC38) & Bedfordshire (VC30) (Ryan, 2015f).  
*Chlamydatus wilkinsoni* (Douglas & Scott): Shropshire (VC40) (Fowler, 2015).  
*Dichroscytus gustavi* Josifov: Shropshire (VC40) (Fowler, 2015).  
*Dicyphus annulatus* (Wolff): Shropshire (VC40) (Fowler, 2015).  
*Dicyphus tamaninii* Wagner: West Kent (VC16), South Essex (VC18) & Surrey (VC17) (Telfer, 2015). New to Britain.  
*Halticus apterus* (Linnaeus): Shropshire (VC40) (Fowler, 2015); Buckinghamshire (VC24) (Ryan, 2015d).  
*Halticus luteicollis* (Panzer): Buckinghamshire (VC24) (Ryan, 2015d).  
*Lygocoris rugicollis* (Fallén): Shropshire (VC40) (Fowler, 2015).  
*Lygus maritimus* Wagner: South-west Yorkshire (VC63) (Flanagan, 2015).  
*Megacoelum beckeri* (Fieber): North Hampshire (VC12) (Denton, 2015).  
*Megalocoleus tanacetii* (Fallén): Shropshire (VC40) (Fowler, 2015).  
*Notostira erratica* (Linnaeus): Berkshire (VC22) & Buckinghamshire (VC24) (Ryan, 2015c); Warwickshire (VC38), Northamptonshire (VC32) & East Gloucestershire (VC33) (Ryan, 2015g).  
*Orthotylus caprai* Wagner: Berkshire (VC22) and Buckinghamshire (VC24) (Ryan, 2015h).  
*Orthotylus junipericola* Linnavuori: North Hampshire (VC12) (Denton, 2015).  
*Pinalitus rubricatus* (Fallén): Shropshire (VC40) (Fowler, 2015).  
*Psallus anaemicus* Seidenstucker: Northamptonshire (VC32) (Bantock, 2015a). New to Britain.  
*Psallus assimilis* Stichel: Shropshire (VC40) (Fowler, 2015).  
*Psallus helenae* Josifov: Northamptonshire (VC32) (Bantock, 2015a). New to Britain.  
*Psallus pseudoplatani* Reichling: Shropshire (VC40) (Fowler, 2015).  
*Psallus salicis* (Kirschbaum): Oxfordshire (VC23) (Ryan, 2015b).

SALDIDAE

- Saldula opacula* (Zetterstedt): Oxfordshire (VC23) (Ryan, 2015e).  
*Saldula pallipes* (Fabricius): Oxfordshire (VC23) (Ryan, 2015e).

GERRIDAE

- Gerris lateralis* Schummel: Dorset (VC9) (Bantock, 2015c).

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 Bantock, T. 2015a. Species new to Britain. *Het News* **22**: 2-4.  
 Bantock, T. 2015b. Species notes. *Het News* **22**: 4-6.  
 Bantock, T. 2015c. Around the British Isles: Dorset. *Het News* **22**: 6-7.  
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- Ryan, R. P. 2015d. New county records for some species of Hemiptera-Heteroptera from Homefield Wood, Buckinghamshire. *Entomologist's Monthly Magazine* **151**: 176.
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- Ryan, R. P. 2015f. The Undertaker Bug, *Chlamydatus evanescens* (Boheman) (Hemiptera: Miridae), denizen of urban cemeteries. *British Journal of Entomology and Natural History* **28**: 192.
- Ryan, R. P. 2015g. The Ring-tipped Grassbug, *Notostira erratica* (L.) (Hemiptera: Miridae), in Warwickshire, Northamptonshire and Gloucestershire. *British Journal of Entomology and Natural History* **28**: 210-211.
- Ryan, R. P. 2015h. The Wellingtonia Bug, *Orthotylus caprai* Wagner (Hemiptera: Miridae), goes forth. *British Journal of Entomology and Natural History* **28**: 228-229.
- Telfer, M. G. 2015. *Dicyphus tamaninii* (Hemiptera: Miridae) new to Britain. *British Journal of Entomology and Natural History* **28**: 71-74.

**NEW COUNTY RECORDS OF HEMIPTERA-HETEROPTERA  
FROM A DATA SET PROVIDED BY RICHARD DICKSON**

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Richard Dickson recently sent me an Excel spreadsheet containing 10,642 records of Hemiptera-Heteroptera which I checked against the county distribution (Ryan 2014a & 2014b). The data set was found to contain 179 new county records, which I list below. It was compiled from various sources, including D.M. Appleton's notes, the local Shield-bug Recording Scheme run by Phil Budd, and from specimens given by various friends, plus his own recording work.

*Aneurus avenius* (Dufour) (Aradidae)

SOUTH HAMPSHIRE (VC11): 26-Mar-83, SU3921, Emer Bog NR.

*Aneurus laevis* (Fabricius) (Aradidae)

SOUTH HAMPSHIRE (VC11): 10-May-01, SU5810, Wickham Common.

*Acanthosoma haemorrhoidale* (Linnaeus) (Acanthosomatidae)

NORTH HAMPSHIRE (VC12): 24-Apr-99, SU3835, Woolbury Ring.

*Cyphostethus tristriatus* (Fabricius) (Acanthosomatidae)

NORTH HAMPSHIRE (VC12): 02-Oct-83, SU7431, Noar Hill NR.

*Elasmucha grisea* (Linnaeus) (Acanthosomatidae)

NORTH HAMPSHIRE (VC12): 29-Apr-05, SU7624, By River Rother at Sheet.

*Canthophorus impressus* (Horváth) (Cydnidae)

SOUTH HAMPSHIRE (VC11): 04-Sep-71, SU60, Portsdown.

*Legnotus limbosus* (Geoffroy) (Cydnidae)

SOUTH HAMPSHIRE (VC11): 27-May-78, SU4806, Warsash area.

*Legnotus picipes* (Fallén) (Cydnidae)

SOUTH HAMPSHIRE (VC11): 03-May-06, SU398172, Lord's Wood Plantation.

*Sehirus luctuosus* Mulsant & Rey (Cydnidae)

NORTH HAMPSHIRE (VC12): 04-May-06, SU507292, Magdalen North Down.

*Tritomegas bicolor* (Linnaeus) (Cydnidae)

NORTH HAMPSHIRE (VC12): 13-Apr-79, SU425294, West Wood, Farley Mount - Entrance.

*Thyreocoris scarabaeoides* (Linnaeus) (Thyreocoridae)

NORTH HAMPSHIRE (VC12): 20-Aug-05, SU507292, Magdalen North Down.

*Eurygaster testudinaria* (Geoffroy) (Scutelleridae)

SOUTH HAMPSHIRE (VC11): 22-Aug-83, SU3921, Emer Bog NR.

SOUTH WILTSHIRE (VC8): 23-Sep-15, SU0247, Horse Down, Nr. Tilshead.

*Eurydema oleracea* (Linnaeus) (Pentatomidae)

NORTH HAMPSHIRE (VC12): 23-Jul-06, SU507292, Magdalen North Down.

SOUTH WILTSHIRE (VC8): 27-Jun-11, SU091461, Bustard Vedette.

*Eurydema ornata* (Linnaeus) (Pentatomidae)

SOUTH HAMPSHIRE (VC11): 23-May-06, SZ108914, Boscombe Chine.

*Mecidea lindbergi* Wagner (Pentatomidae)

SOUTH HAMPSHIRE (VC11): 18-Dec-15, SU5707, Fareham, leg. K.J.Wheeler.

*Pentatoma rufipes* (Linnaeus) (Pentatomidae)

SOUTH HAMPSHIRE (VC11): 04-Jul-70, SU3108, Mallard Wood, New Forest.

*Piezodorus lituratus* (Fabricius) (Pentatomidae)

SOUTH HAMPSHIRE (VC11): 1970, SU60, Portsdown.

*Podops inunctus* (Fabricius) (Pentatomidae)

NORTH HAMPSHIRE (VC12): 09-Aug-05, SU510291, Magdalen Hill Down Extension.

*Troilus luridus* (Fabricius) (Pentatomidae)

NORTH HAMPSHIRE (VC12): 24-Mar-02, SU505291, Magdalen Hill Down Original Reserve.

SOUTH HAMPSHIRE (VC11): 27-Aug-82, SU5206, Kites Croft.

- Zicrona caerulea* (Linnaeus) (Pentatomidae)  
NORTH HAMPSHIRE (VC12): 28-Jan-99, SU510291, Magdalen Hill Down Extension.
- Enoplops scapha* (Fabricius) (Coreidae)  
SOUTH HAMPSHIRE (VC11): 10-Oct-12, SZ6097, Gilkicker Point.
- Chorosoma schillingii* (Schilling) (Rhopalidae)  
SOUTH HAMPSHIRE (VC11): 28-Aug-82, SZ6999, Sinah Common, Hayling Island.
- Corizus hyoscyami* (Linnaeus) (Rhopalidae)  
SOUTH HAMPSHIRE (VC11): 30-Jul-06, SU372109, Trott's Copse - West.
- Liorhyssus hyalinus* (Fabricius) (Rhopalidae)  
SOUTH HAMPSHIRE (VC11): 10-Jun-04, SU5510, Botley Wood.
- Dicranocephalus medius* (Mulsant & Rey) (Stenocephalidae)  
SOUTH HAMPSHIRE (VC11): 01-Jun-07, SU5409, Botley Wood.
- Aphanus rolandri* (Linnaeus) (Lygaeidae)  
NORTH HAMPSHIRE (VC12): 22-May-98, SU510291, Magdalen Hill Down Extension.
- Chilacis typhae* (Perris) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 1972, SU5302, Titchfield Haven NNR.
- Drymus brunneus* (R.F. Sahlberg) (Lygaeidae)  
NORTH HAMPSHIRE (VC12): 19-Apr-84, SU5144, The Scrubs, Micheldever.  
SOUTH HAMPSHIRE (VC11): 17-Jul-82, SU5613, Shedfield Common.
- Drymus pumilio* Puton (Lygaeidae)  
ISLE OF WIGHT (VC10): 09-Mar-83, SZ5879, Luccombe Chine.  
SOUTH HAMPSHIRE (VC11): 16-Sep-82, SU7118, Oxenbourne NR.
- Drymus ryeii* Douglas & Scott (Lygaeidae)  
ISLE OF WIGHT (VC10): 22-Apr-84, SZ5986, Brading Down.  
SOUTH HAMPSHIRE (VC11): 17-Jul-82, SU5613, Shedfield Common.
- Drymus sylvaticus* (Fabricius) (Lygaeidae)  
NORTH HAMPSHIRE (VC12): 19-Apr-84, SU53, Micheldever.  
SOUTH HAMPSHIRE (VC11): 16-Jan-71, SU4806, Hamble Common.
- Gastrodes grossipes* (De Geer) (Lygaeidae)  
NORTH HAMPSHIRE (VC12): 29-Aug-05, SU350508, Tom's Wood, Wildhern.  
SOUTH HAMPSHIRE (VC11): 11-Sep-82, SU30, Bishop's Dyke.
- Ischnocoris angustulus* (Boheman) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 11-Jul-82, SZ5799, Browndown Coastal Ranges.
- Ischnodemus sabuleti* (Fallén) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 26-Jun-82, SU5309, Botley Wood.  
SOUTH WILTSHIRE (VC8): 08-Sep-08, SU0348, 1 km North of Tilshead.
- Megalonotus antennatus* (Schilling) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 13-Jan-83, SU5409, Botley Wood.
- Megalonotus chiragra* (Fabricius) (Lygaeidae)  
ISLE OF WIGHT (VC10): 17-Mar-84, SZ68, Red Cliff.  
NORTH HAMPSHIRE (VC12): 19-Apr-84, SU53, Micheldever.  
SOUTH HAMPSHIRE (VC11): 25-Mar-73, SU60, Portsdown.
- Megalonotus sabulicola* (Thomson) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 28-Aug-82, SZ6999, Sinah Common, Hayling Island.
- Nysius ericae* (Schilling) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 24-Jul-82, SZ6999, Sinah Common, Hayling Island.
- Peritrechus lundii* (Gmelin) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 16-May-10, SU3306, Denny Wood, New Forest.
- Peritrechus nubilus* (Fallén) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 07-Aug-82, SZ5899, Browndown north.
- Scolopostethus affinis* (Schilling) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 22-Jul-82, SU4905, Warsash shore.
- Scolopostethus decoratus* (Hahn) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 10-Jul-82, SU3605, Fernycroft and area, New Forest.

- Scolopostethus grandis* Horváth (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 10-Mar-07, SU6006, Portsdown NR.
- Scolopostethus thomsoni* Reuter (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 26-Jun-82, SU5309, Botley Wood.
- Stygnocoris fuliginus* (Geoffroy) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 18-Jul-82, SU4806, Hamble Common.
- Stygnocoris sabulosus* (Schilling) (Lygaeidae)  
NORTH HAMPSHIRE (VC12): 19-Apr-84, SU53, Micheldever.  
SOUTH HAMPSHIRE (VC11): 01-Aug-66, SU7118, Oxenbourne NR.
- Taphropeltus contractus* (Herrich-Schaeffer) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 18-Jul-82, SU4905, Warsash shore.
- Trapezonotus arenarius* (Linnaeus) (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 02-Jun-03, SU5010, Swanwick NR.
- Trapezonotus desertus* Seidenstücker (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-11, SU3306, Denny Wood NOS, New Forest.  
SOUTH WILTSHIRE (VC8): 25-Jun-12, SU1845, Bulford Field (& Dumbell Copse).
- Trapezonotus dispar* Stål (Lygaeidae)  
SOUTH HAMPSHIRE (VC11): 02-Jun-03, SU5010, Swanwick NR.  
WEST SUSSEX (VC13): 15-Aug-11, SU9807, Rewell Wood, W. of Arundel.
- Berytinus clavipes* (Fabricius) (Berytidae)  
SOUTH HAMPSHIRE (VC11): 24-Jul-82, SZ6999, Sinah Common, Hayling Island.
- Berytinus hirticornis* (Brullé) (Berytidae)  
SOUTH HAMPSHIRE (VC11): 25-Aug-03, SU5103, Brownwich cliffs.
- Berytinus montivagus* (Meyer-Dür) (Berytidae)  
SOUTH HAMPSHIRE (VC11): 25-Jul-82, SU60, Portsdown.
- Berytinus signoreti* (Fieber) (Berytidae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-82, SU7118, Oxenbourne NR.
- Campylosteira verna* (Fallén) (Tingidae)  
SOUTH HAMPSHIRE (VC11): 17-Apr-01, SU6207, Portsdown.
- Catoplatus fabricii* (Stål) (Tingidae)  
SOUTH HAMPSHIRE (VC11): 27-May-13, SU5309, Lee Ground Coppice, Botley Wood.
- Dictyla convergens* (Herrich-Schaeffer) (Tingidae)  
SOUTH HAMPSHIRE (VC11): 20-May-84, SU5516, The Moors NR.
- Dictyonota fuliginosa* A. Costa (Tingidae)  
SOUTH HAMPSHIRE (VC11): 27-Feb-71, SU5103, Brownwich cliffs.
- Kalama tricornis* (Schränk) (Tingidae)  
SOUTH HAMPSHIRE (VC11): 19-Jul-82, SU4806, East bank of Hamble estuary.
- Stephanitis takeyai* Drake & Maa (Tingidae)  
SOUTH HAMPSHIRE (VC11): 07-Jul-13, SU5503, Stubbington, leg. Dan Houghton.
- Tingis cardui* (Linnaeus) (Tingidae)  
SOUTH HAMPSHIRE (VC11): 04-Aug-82, SU7118, Oxenbourne NR.
- Coranus woodroffei* P.V. Putshkov (Reduviidae)  
SOUTH HAMPSHIRE (VC11): 13-Sep-10, SU3306, Denny Wood, New Forest.  
WEST SUFFOLK (VC26): 13-Jul-13, TL787715, Ramparts Field.
- Himacerus boops* (Schjødte) (Nabidae)  
SOUTH HAMPSHIRE (VC11): 08-Aug-66, SU7118, Oxenbourne NR.
- Himacerus major* (A. Costa) (Nabidae)  
SOUTH HAMPSHIRE (VC11): 11-Jul-82, SZ6097, Gilkicker Point.
- Nabis ericetorum* Scholtz (Nabidae)  
SOUTH HAMPSHIRE (VC11): 01-Aug-82, SU4806, Hamble Common.
- Nabis ferus* (Linnaeus) (Nabidae)  
SOUTH HAMPSHIRE (VC11): 28-Jul-82, SU5005, Warsash Common.
- Nabis flavomarginatus* Scholtz (Nabidae)  
SOUTH HAMPSHIRE (VC11): 1970, SU60, Portsdown.

- Nabis limbatus* Dahlbom (Nabidae)  
SOUTH HAMPSHIRE (VC11): 23-Sep-66, SU7118, Oxenbourne NR.
- Nabis lineatus* Dahlbom (Nabidae)  
SOUTH HAMPSHIRE (VC11): 18-Jul-82, SU4806, East bank of Hamble estuary.
- Nabis rugosus* (Linnaeus) (Nabidae)  
SOUTH HAMPSHIRE (VC11): 23-Sep-66, SU7118, Oxenbourne NR.
- Anthocoris confusus* Reuter (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 29-Aug-82, SU5516, The Moors NR.
- Anthocoris nemoralis* (Fabricius) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 10-May-01, SU5804, Gosport.
- Anthocoris nemorum* (Linnaeus) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 01-Jun-66, SU7118, Oxenbourne NR.
- Anthocoris sarothamni* Douglas & Scott (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 01-Jun-09, SZ5799, Browndown Coastal Ranges.
- Buchananiella continua* (F.B. White) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 04-Mar-02, SU5010, Swanwick NR.
- Cardiastethus fasciiventris* (Garbiglietti) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 12-May-02, SU5010, Swanwick NR.
- Dufouriellus ater* (Dufour) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 03-Jun-11, SU579069, Fareham.
- Lyctocoris campestris* (Fabricius) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 08-Aug-82, SU5406, Catisfield.
- Orius laevigatus* (Fieber) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 28-Jul-03, SU5810, Wickham Common.  
SOUTH WILTSHIRE (VC8): 29-Aug-11, SU1845, Bulford Field (& Dumbell Copse).
- Orius majusculus* (Reuter) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 04-May-08, SU5302, Titchfield Haven NNR.
- Orius vicinus* (Ribaut) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 02-Aug-11, SU579069, Fareham.
- Xylocoris cursitans* (Fallén) (Anthocoridae)  
SOUTH HAMPSHIRE (VC11): 24-Jun-09, SU5409, Botley Wood.
- Loricula exilis* (Fallén) (Microphysidae)  
SOUTH HAMPSHIRE (VC11): 30-Jun-08, SU5302, Titchfield Haven NNR.
- Amblytylus brevicollis* Fieber (Miridae)  
SOUTH HAMPSHIRE (VC11): 18-Jun-06, SU5810, Wickham Common.
- Apolygus spinolae* (Meyer-Dür) (Miridae)  
NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.
- Asciodema obsoleta* (Fieber) (Miridae)  
SOUTH HAMPSHIRE (VC11): 23-Jun-03, SU5810, Common Meadow.
- Blepharidopterus angulatus* (Fallén) (Miridae)  
SOUTH HAMPSHIRE (VC11): 10-Aug-82, SU5410, Botley Wood.
- Brachyarthrurum limitatum* Fieber (Miridae)  
SOUTH HAMPSHIRE (VC11): 14-Jul-04, SU5810, Wickham Common.
- Calocoris roseomaculatus* (De Geer) (Miridae)  
SOUTH HAMPSHIRE (VC11): 08-Aug-66, SU7118, Oxenbourne NR.
- Campyloneura virgula* (Herrich-Schaeffer) (Miridae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-82, SU5309, Botley Wood.
- Capsus ater* (Linnaeus) (Miridae)  
SOUTH HAMPSHIRE (VC11): 01-Jun-82, SU5510, Botley Wood.
- Closterotomus fulvomaculatus* (De Geer) (Miridae)  
SOUTH HAMPSHIRE (VC11): 30-Jun-83, SU5206, Kites Croft.
- Cyllecoris histrionius* (Linnaeus) (Miridae)  
SOUTH HAMPSHIRE (VC11): 01-Jun-82, SU5510, Botley Wood.
- Deraeocoris lutescens* (Schilling) (Miridae)  
SOUTH HAMPSHIRE (VC11): 16-Aug-82, SU5309, Botley Wood.

- Deraeocoris ruber* (Linnaeus) (Miridae)  
 NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.  
 SOUTH HAMPSHIRE (VC11): 14-Jul-82, SU5410, Botley Wood.
- Dichrooscytus gustavi* Josifov (Miridae)  
 SOUTH HAMPSHIRE (VC11): 25-Jul-10, SU579069, Fareham.
- Dicyphus annulatus* (Wolff) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 24-Jul-82, SZ6999, Sinah Common, Hayling Island.
- Dicyphus epilobii* Reuter (Miridae)  
 NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.  
 SOUTH HAMPSHIRE (VC11): 10-Aug-82, SU5309, Botley Wood.
- Dicyphus pallicornis* (Fieber) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 08-Jul-07, SU577071, Fareham.  
 SOUTH WILTSHIRE (VC8): 23-Jul-12, SU0348, 1 km North of Tilshead.
- Europiella artemisiae* (Becker) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 22-Jul-01, SU5206, Kites Croft.
- Grypocoris stysi* (Wagner) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 29-Jun-83, SU5809, Carpenter's Copse / Homerhill Copse.
- Halticus luteicollis* (Panzer) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 14-Jul-82, SU5310, Botley Wood.
- Harpocera thoracica* (Fallén) (Miridae)  
 NORTH HAMPSHIRE (VC12): 05-Jun-11, SU7553, Odiham Common.
- Heterotoma planicornis* (Pallas) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 01-Aug-66, SU7118, Oxenbourne NR.
- Hypseloecus visci* (Puton) (Miridae)  
 SOUTH WILTSHIRE (VC8): 07-Jul-09, SU152294, Salisbury, Waterloo Street.
- Leptopterna dolabrata* (Linnaeus) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 04-Jul-82, SU5309, Botley Wood.
- Leptopterna ferrugata* (Fallén) (Miridae)  
 NORTH HAMPSHIRE (VC12): 05-Jun-11, SU7553, Odiham Common.
- Liocoris tripustulatus* (Fabricius) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 01-Jun-66, SU7118, Oxenbourne NR.
- Lygocoris rugicollis* (Fallén) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 11-Jun-01, SU5810, Wickham Common.
- Lygus rugulipennis* Poppius (Miridae)  
 NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.  
 SOUTH HAMPSHIRE (VC11): 20-Jul-00, SU579069, Fareham.
- Macrolophus rubi* Woodroffe (Miridae)  
 SOUTH HAMPSHIRE (VC11): 11-Jul-06, SU579069, Fareham.
- Macrotylus solitarius* (Meyer-Dür) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 26-Jul-83, SU7118, Oxenbourne NR.
- Miridius quadrivirgatus* (A. Costa) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 21-Jul-00, SU579069, Fareham.
- Miris striatus* (Linnaeus) (Miridae)  
 NORTH HAMPSHIRE (VC12): 05-Jun-11, SU7253, Bartley Heath nr Hook.  
 SOUTH HAMPSHIRE (VC11): 11-Jun-70, SU51, Botley Wood.
- Monalocoris filicis* (Linnaeus) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 10-Aug-82, SU5310, Botley Wood.
- Neolygus populi* (Leston) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 30-May-11, SU5905, Cams Bay and wood.
- Notostira elongata* (Geoffroy) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 04-Jul-82, SU5309, Botley Wood.
- Oncotylus viridiflavus* (Goeze) (Miridae)  
 SOUTH HAMPSHIRE (VC11): 06-Aug-82, SU5509, Botley Wood.  
 SOUTH WILTSHIRE (VC8): 29-Aug-08, SU1845, Bulford Field (& Dumbell Copse).

- Orthocephalus coriaceus* (Fabricius) (Miridae)  
SOUTH HAMPSHIRE (VC11): 18-Jul-82, SU5309, Botley Wood.
- Orthops basalıs* (A. Costa) (Miridae)  
NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.  
SOUTH HAMPSHIRE (VC11): 13-Aug-09, SU6121, Exton area.
- Orthops campestris* (Linnaeus) (Miridae)  
DORSET (VC9): 12-Aug-10, SY7681, Burning Cliffs, Ringstead Bay, National Trust.  
SOUTH HAMPSHIRE (VC11): 25-Aug-83, SZ5899, Browndown north.  
SOUTH WILTSHIRE (VC8): 29-Aug-08, SU1845, Bulford Field (& Dumbell Copse).
- Orthotylus adenocarpi* (Perris) (Miridae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-04, SU5510, Botley Wood.
- Orthotylus marginalis* Reuter (Miridae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-01, SU579069, Fareham.
- Orthotylus ochrotrichus* Fieber (Miridae)  
NORTH HAMPSHIRE (VC12): 06-Aug-09, SU3636, Leckford Estate.  
SOUTH HAMPSHIRE (VC11): 01-Jul-03, SU5905, Cams Bay and wood.
- Orthotylus virescens* (Douglas & Scott) (Miridae)  
SOUTH HAMPSHIRE (VC11): 29-Aug-01, SU5309, Botley Wood.
- Pantilius tunicatus* (Fabricius) (Miridae)  
SOUTH HAMPSHIRE (VC11): 27-Aug-82, SU5206, Kites Croft.
- Phylus coryli* (Linnaeus) (Miridae)  
SOUTH HAMPSHIRE (VC11): 24-Jul-83, SU5310, Botley Wood.
- Pithanus maerkelii* (Herrich-Schaeffer) (Miridae)  
SOUTH HAMPSHIRE (VC11): 04-Jul-82, SU5410, Botley Wood.
- Plagiognathus arbustorum* (Fabricius) (Miridae)  
SOUTH HAMPSHIRE (VC11): 01-Aug-66, SU7118, Oxenbourne NR.
- Polymerus nigrıta* (Fall  n) (Miridae)  
SOUTH HAMPSHIRE (VC11): 18-Jul-82, SU5310, Botley Wood.
- Polymerus palustris* (Reuter) (Miridae)  
SOUTH HAMPSHIRE (VC11): 09-Jul-83, SU3921, Emer Bog NR.
- Psallus albicinctus* (Kirschbaum) (Miridae)  
SOUTH HAMPSHIRE (VC11): 31-May-02, SU5810, Common Meadow.
- Psallus betuleti* (Fall  n) (Miridae)  
SOUTH HAMPSHIRE (VC11): 25-May-07, SU5409, Leachpond Copse, Botley Wood.
- Psallus confusus* Rieger (Miridae)  
SOUTH HAMPSHIRE (VC11): 28-Jun-02, SU5810, Wickham Common.
- Psallus flavellus* Stichel (Miridae)  
SOUTH HAMPSHIRE (VC11): 12-Jul-07, SU5409, Botley Wood.
- Psallus haematodes* (Gmelin) (Miridae)  
SOUTH HAMPSHIRE (VC11): 29-Aug-01, SU5309, Botley Wood.
- Psallus lurıdus* Reuter (Miridae)  
SOUTH HAMPSHIRE (VC11): 26-Jul-07, SU5409, Botley Wood.
- Psallus mollis* (Mulsant & Rey) (Miridae)  
SOUTH HAMPSHIRE (VC11): 29-Jun-07, SU6012, West Walk (High Lines).
- Psallus montanus* Josifov (Miridae)  
SOUTH HAMPSHIRE (VC11): 29-Jun-01, SU5810, Wickham Common.
- Psallus perrisi* (Mulsant & Rey) (Miridae)  
SOUTH HAMPSHIRE (VC11): 31-May-02, SU5810, Wickham Common.
- Psallus wagneri* Ossiannilsson (Miridae)  
SOUTH HAMPSHIRE (VC11): 31-May-02, SU5810, Common Meadow.
- Pseudoloxops coccineus* (Meyer-D  r) (Miridae)  
SOUTH HAMPSHIRE (VC11): 07-Aug-00, SU579069, Fareham.
- Salıcarus roseri* (Herrich-Schaeffer) (Miridae)  
SOUTH HAMPSHIRE (VC11): 19-Jul-86, SU3614, Lower Test NR.



*Stenodema calcarata* (Fallén) (Miridae)

SOUTH HAMPSHIRE (VC11): 07-Jul-82, SU5309, Botley Wood.

*Stenodema laevigata* (Linnaeus) (Miridae)

SOUTH HAMPSHIRE (VC11): 01-Jun-66, SU7118, Oxenbourne NR.

*Stenotus binotatus* (Fabricius) (Miridae)

SOUTH HAMPSHIRE (VC11): 14-Jun-70, SU60, Portsdown.

*Trigonotylus caelestialium* (Kirkaldy) (Miridae)

SOUTH HAMPSHIRE (VC11): 01-Aug-03, SU5516, The Moors NR.

*Saldula palustris* (Douglas) (Saldidae)

DORSET (VC9): 20-Jul-09, SY4491, Eype's Mouth, coastal cliffs, National Trust, Eype.

SOUTH HAMPSHIRE (VC11): 14-Jul-01, SU4806, Hamble Common.

*Saldula saltatoria* (Linnaeus) (Saldidae)

SOUTH HAMPSHIRE (VC11): 11-Jun-01, SU5206, Kites Croft.

*Mesovelia furcata* Mulsant & Rey (Mesoveliidae)

SOUTH HAMPSHIRE (VC11): 01-Sep-84, SU3601, Hatchet Pond.

*Callicorixa wollastoni* (Douglas & Scott) (Corixidae)

SOUTH HAMPSHIRE (VC11): 10-Aug-03, SU579069, Fareham.

*Micronecta scholtzi* (Fieber) (Corixidae)

SOUTH HAMPSHIRE (VC11): 2002, SU5010, Swanwick NR.

I am most grateful to Richard for sharing his records with me, for giving permission for them to be published in this journal, and for checking and correcting a draft copy of this paper.

#### References

- Ryan, R. P. 2014a. The county distribution of the Hemiptera-Heteroptera of the British Isles, fourth edition. *Hemipterist* **1**: 38-103.
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## AN UP-TO-DATE LIST OF COUNTY RECORDS NOW AVAILABLE ONLINE

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One problem with distributional studies is that they go out of date almost as soon as they are published, as the relentless process of recording continues apace. As a consequence, in the particular case of the county distribution of the Hemiptera-Heteroptera (Ryan, 2014a & 2014b), the checking of putative new county records is a combined process of consulting the county distribution and searching the subsequent literature. This journal features a 'county record roundup' in each volume, gathering together all the new county records published elsewhere, so that only this journal needs to be searched. However, it would be useful if the county distribution itself could be updated every six months, as each issue of the journal is published, so that this journal need not be searched either.

Alas, with each county division (Ryan, 2015a, 2015b, 2016a, 2016b & 2016d), the number of (vice-)counties increases, the cross-tabulation of Ryan (2014a) has to expand, and the base map of Ryan (2014b) has to be altered. To do this on an ongoing basis would take up too much time, and is best left until the county divisions are complete, and the cross-tabulation and base map become stable. However, in the interim, I will publish on the internet an Excel spreadsheet listing the up-to-date county record list, with each issue of this journal. This list can be downloaded from the webpage of the Atlas of the Hemiptera-Heteroptera of the British Isles (Ryan, 2014b, <https://sites.google.com/site/britishhetbugatlas>) by clicking on the link provided.

The first 12,953 records listed are those of the county distribution, fourth edition (Ryan, 2014a), followed by those subsequently published in this journal, issue by issue. I have not removed those records of the county distribution which have been superseded by vice-county-specific records arising from county divisions, in case the user needs the old historic county records for some purpose. Instead, these are marked '[DELETED]' against the county name. There are three records in the county distribution which have been deleted due to published corrections (Ryan, 2015c & 2016c). These are marked '[DELETED]' against the species name.

The checking of large numbers of putative new county records can still be a tedious process, even with a regularly updated county record list. However, I have software that can automate this process, comparing the county record list with a supplied spreadsheet of records and producing a list of those records from the spreadsheet that are new to the county distribution. This software is not in a form that can be distributed to users, as some manual intervention is required when running it, but I would be happy to receive spreadsheets from readers and provide a list of confirmed new county records in return. The software can also produce a skeleton paper for publication, if this is of interest. Several papers in this issue of the journal contain new county records obtained in this way (Ryan, 2016d, 2016e & 2016f).

## References

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- Ryan, R. P. 2014b. An Atlas of the Hemiptera-Heteroptera of the British Isles. <https://sites.google.com/site/BritishHetBugAtlas>.
- Ryan, R. P. 2015a. The division of Ryan's county list of Hemiptera-Heteroptera for Cornwall into vice-county lists for VC1 and VC2. *Hemipterist* 2: 12-20.
- Ryan, R. P. 2015b. The division of Ryan's county list of Hemiptera-Heteroptera for Gloucestershire into vice-county lists for VC33 and VC34. *Hemipterist* 2: 30-39.
- Ryan, R. P. 2015c. Additions to Ryan's county lists of Hemiptera-Heteroptera for Carmarthenshire, Pembrokeshire and Cardiganshire. *Hemipterist* 2: 40-45.
- Ryan, R. P. 2016a. The division of Ryan's list of Hemiptera-Heteroptera for Ireland into vice-county lists for H1 to H40. *Hemipterist* 3: 19-38.

- Ryan, R. P. 2016b. The division of Ryan's list of Hemiptera-Heteroptera for Hampshire into vice-county lists for VC10, VC11 and VC12. *Hemipterist* **3**: 39-53.
- Ryan, R. P. 2016c. *Nabis pseudoferus* Remane (Hemiptera: Nabidae) deleted from the Oxfordshire list. *Hemipterist* **3**: 72.
- Ryan, R. P. 2016d. The division of Ryan's list of Hemiptera-Heteroptera for Lincolnshire into vice-county lists for VC53 and VC54. *Hemipterist* **3**: 74-91.
- Ryan, R. P. 2016e. New county records of Hemiptera-Heteroptera from a data set provided by Steve Lane. *Hemipterist* **3**: 92-100.
- Ryan, R. P. 2016f. New county records of Hemiptera-Heteroptera from a data set provided by Richard Dickson. *Hemipterist* **3**: 103-109.

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**ANTHOCORIS MINKI DOHRN (HEMIPTERA: ANTHOCORIDAE)**  
**NEW TO OXFORDSHIRE AND BERKSHIRE**

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This animal was first reported from Britain by Jessop (1983), the *Anthocoris minki* of Southwood & Leston (1959) being *Anthocoris simulans* Reuter. The insect is categorised as RDB3 by Kirby (1992), and it has so far been reported from only four counties (Figure 1). The scant nature of the known distribution is perhaps due, at least in part, to its cryptic habit of living within the leaf-petiole galls of poplar, *Populus* spp. (Salicaceae), requiring a specific and determined attempt to record it.

In the autumn of 2014 I took on this challenge in Oxford, targeting the Lombardy Poplar, *Populus nigra* var. *italica*, of University Parks (National Grid Reference SP516072). A casual approach of breaking open a few galls each time I passed the trees on my way elsewhere had not been rewarded in the past, so clearly a bulk approach was called for. Therefore, on 26 September 2014, I collected 161 galls for later examination at home. I was delighted to find two adults and six nymphs of *A. minki* amongst my haul, thereby recording the insect new to Oxfordshire. The nymphs were reared to adult to confirm their identity (Figure 2).

Flushed with success, I set off three days later into Watsonian Berkshire in an attempt to add this county to the insect's known distribution. 164 galls were collected from a row of Lombardy Poplar along a field margin near Long Wittenham (SU560938); a further 164 were gathered from examples of the same tree by a roadside in Sutton Courtney (SU511943); and 248 from Steventon (SU466922), also from Lombardy Poplar. At home, I found none of the insect in the galls from Long Wittenham, although I had taken a specimen of the bug from the arm of my jacket whilst collecting. However, Sutton Courtney produced five adults and two nymphs from the galls, and Steventon one adult and six nymphs. Clearly, Berkshire is also part of the bug's distribution.

### References

- Jessop, L. 1983. The British species of *Anthocoris* (Hem., Anthocoridae). *Entomologist's Monthly Magazine* **119**: 221-223.
- Kirby, P. 1992. *A review of the scarce and threatened Hemiptera of Great Britain*. UK Nature Conservation No 2. Joint Nature Conservation Committee, Peterborough.
- Ryan, R. P. 2014a. The county distribution of the Hemiptera-Heteroptera of the British Isles, fourth edition. *Hemipterist* **1**: 38-103.
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- Southwood, T. R. E. & Leston, D. 1959. *Land and water bugs of the British Isles*, Frederick Warne & Co. Ltd., London.

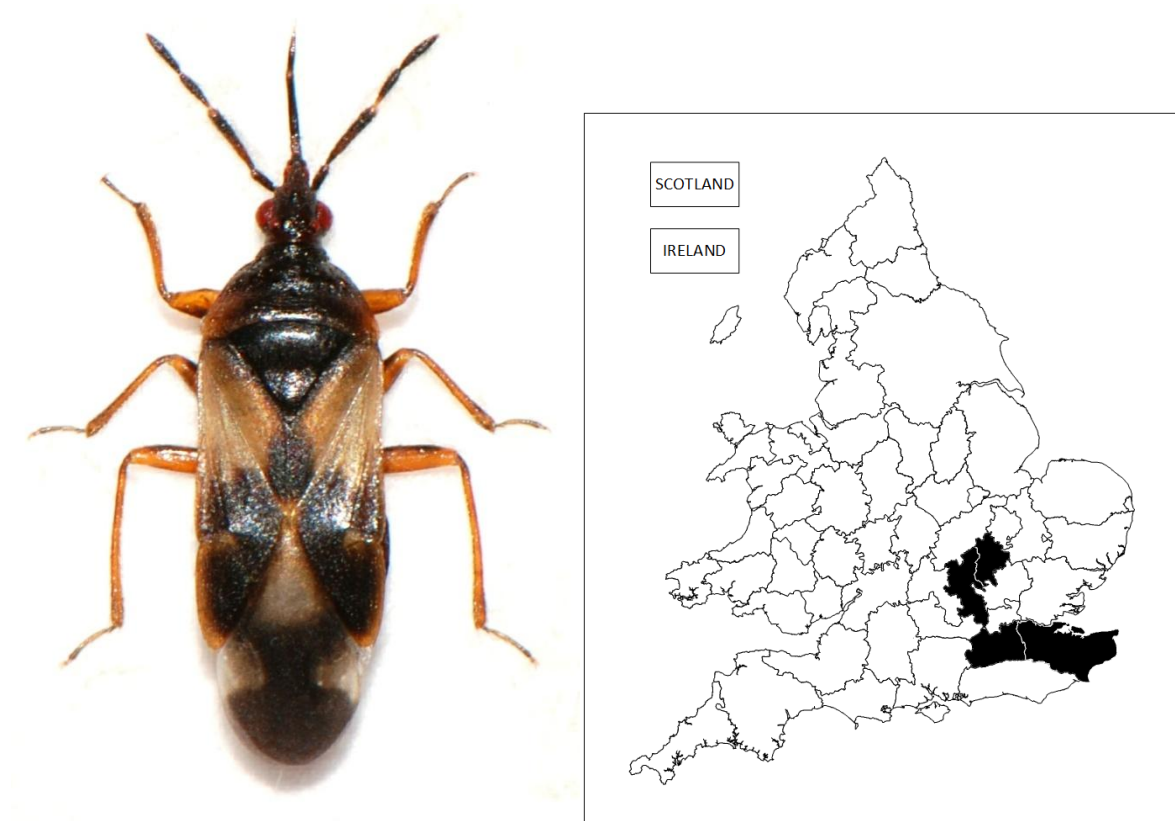


FIGURE 1. *Anthocoris minki* and its county distribution (Ryan, 2014a & 2014b).



FIGURE 2. Nymphs of *Anthocoris minki* taken from leaf-petiole galls of Lombardy Poplar.

***CLOSTEROTOMUS TRIVIALIS* (A. COSTA) (HEMIPTERA: MIRIDAE)  
MASSING ON HONEY LOCUST IN UNIVERSITY PARKS, OXFORD**

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I recently wrote on the discovery of a breeding colony of this species (Figure 1) in New Marston Meadows, Oxford (Ryan, 2015), the first to be reported outside the London area. However, the animal was found only in small numbers, and the 'massings' found in gardens of the capital (Bantock, 2010a & 2010b) had not been reported from anywhere else.

I was therefore delighted to chance upon several dozen adults of the bug on a single tree as I walked through University Parks, Oxford (National Grid Reference SP514074) on 20 June 2015, about 500m from the New Marston captures, over the River Cherwell. The tree was labelled 'NW9', and the University Parks website (<http://www.parks.ox.ac.uk/tree>) revealed its identity to be Honey Locust 'Sunburst', *Gleditsia triacanthos* L. f. *inermis* (Caesalpinaceae). The insects were conspicuous on the foliage, and were apt to fly or run around the other sides of the leaves when approached.



FIGURE 1. *Closterotomus trivialis* male (left) and female (right).

Beating other trees in the area produced no more of the bug, until my walk took me into New Marston Meadows, where I obtained a singleton from White willow, *Salix alba* L. (Saliceae). That evening, I found a specimen of *C. trivialis* sweeping the unkempt area of my Oxford garden (SP510068). I immediately suspected that this was a false record, the bug having been carried in my collecting equipment from earlier in the day. However, when I emptied the flight interception traps (Figure 2) I had been running in my garden over recent weeks, I found another specimen of the



animal, which given its rather soggy state, had clearly been there for some time. Furthermore, when I next emptied the traps, two weeks later, another specimen of *C. trivialis* was found.

In the following year, on 17 May, I revisited the Honey Locust in an attempt to find nymphs, and establish this as a host plant for the species. I found none. However, by beating other plants along the North Walk and West Walk of University Parks, I did find immatures on several other hosts, only three of which could be readily identified: Leyland Cypress, *x Cupressocyparis leylandii* (Jacks. Dallim.) Dallim. (Cupressaceae); Box, *Buxus sempervirens* L. (Buxaceae); and Rosemary, *Rosemarinus officinalis* L. (Lamiaceae). The last plant also produced a specimen of the Rosemary Beetle, *Chrysolina americana* (Linnaeus) (Chrysomelidae) which was promptly reported to the Royal Horticultural Society (<https://www.rhs.org.uk/advice/profile?PID=555#section-2>).

Three days later I visited Hinksey Park (SP514049), on the other side of the River Thames in Oxford, expecting to add Watsonian Berkshire to the bug's known distribution. Alas, in spite of a thorough search, none of the animal was found. Clearly, although the bug is now common in Oxford, there are still limits to the bug's distribution.

### References

- Bantock, T. M., 2010a. *Closterotomus trivialis* (Costa) in north London. *Het News* **15**: 3.  
 Bantock, T. M., 2010b. *Closterotomus trivialis* - London update. *Het News* **16**: 9.  
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 Ryan, R. P. 2015. *Closterotomus trivialis* (A. Costa) (Hemiptera: Miridae) established in Oxford. *British Journal of Entomology and Natural History* **28**: 99.

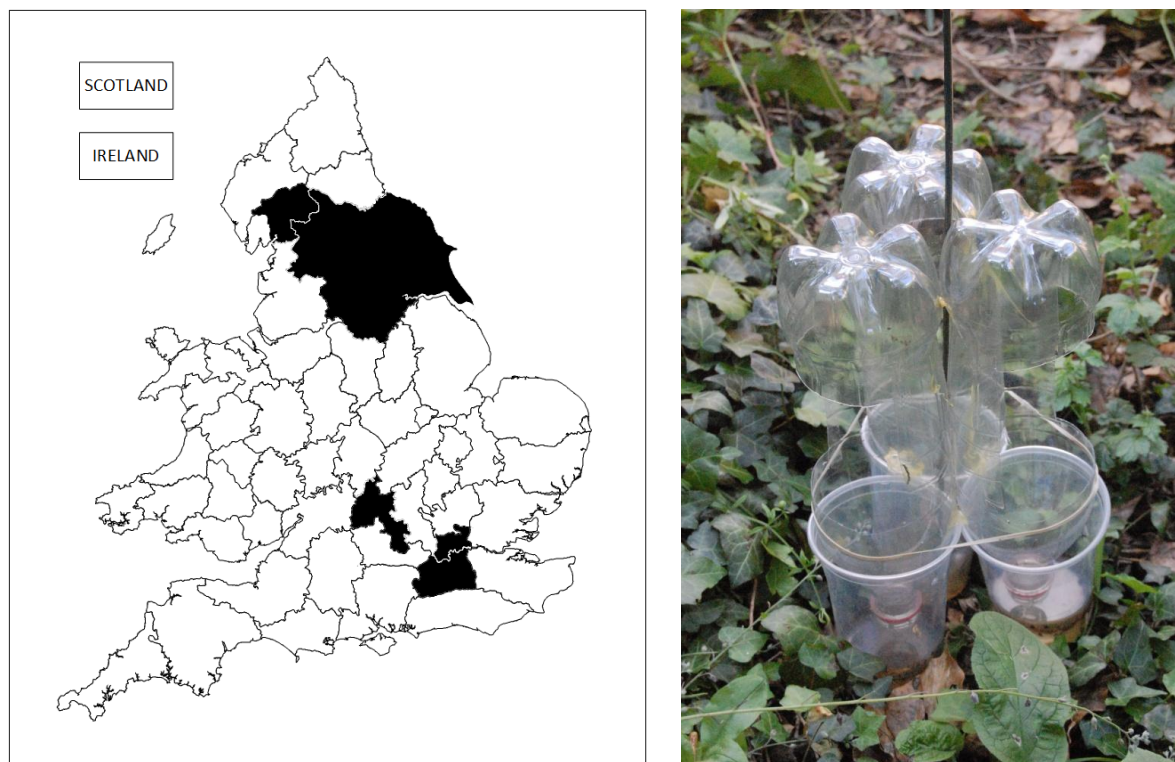


FIGURE 2. The county distribution of *Closterotomus trivialis* (Ryan, 2014a & 2014b) and one of the flight interception traps installed in my garden (right).

**SPECIES ACCOUNTS FOR THE HEMIPTERA-HETEROPTERA REPORTED AS NEW TO  
THE BRITISH ISLES SINCE SOUTHWOOD & LESTON (1959): 1980 TO 1992**

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**Introduction**

This is the third instalment of species accounts, which expand upon the Addendum to Southwood & Leston (1959) (Ryan, 2012a). The previous instalments (Ryan, 2015e & 2016c) covered the species announced as new to the British Isles in the period 1959 to 1979, which is here extended by another 13 years to 1992. As before, the species accounts are based upon details published in the national entomological literature up to the present time.

The numbering of the species accounts follows those of Ryan (2012a), which places them within the taxonomic sequence of Southwood & Leston (1959). Details of identification are given, but figures from published articles are not reproduced. A full set of keys is provided by Savage (1989), Nau (2012) and Kirby (2015). Images for the bugs may be found at the British Bugs website ([www.britishbugs.org.uk](http://www.britishbugs.org.uk)) and elsewhere on the internet, such as Flickr ([www.flickr.com](http://www.flickr.com)). County distribution maps for the new species are given in Figure 1. References are not cited within the species accounts, in order to avoid cluttering the prose. The evidence base for the accounts is instead given in an annotated bibliography.

**Species accounts**

290B *Tuponia mixticolor* (A. Costa) (Miridae), formerly *Tuponia carayoni* Wagner

This capsid bug was first found in the British Isles by B. S. Nau on 17 August 1979 on tamarisk at the beach car park, Freshwater, Isle of Wight.

Subsequently, it has been found in Middlesex and all the southern coastal counties from Suffolk to Devon; adults occurring in each of the months from June to October. The bug is usually taken on its host plant, tamarisk, but it has also been taken at light.

This insect is distinctive in its small, mottled appearance and is unlikely to be confused with any other British bug, especially when found on its host plant.

198B. *Anthocoris amplicollis* Horváth (Anthocoridae)

R. Crossley was the first to find this flower bug in the British Isles, on 25 August 1979 on ash at Lowna, near Kirbymoorside, North Yorkshire. Further specimens were taken on ash at nearby locations in June and August 1980; and a specimen was found in a collection taken on ash in the same area in July 1978.

Since then, only three more records have been published, adding the counties of Surrey (September 1995 on oak), Northamptonshire (2007) and Oxfordshire (September 2009) to its known distribution.

The insect keys out to *Anthocoris confusus* Reuter in Southwood & Leston (1959), but it is larger and darker than this species. It can be distinguished from all other British *Anthocoris* Fallén by the shape of the pronotum, being less constricted towards the front, so that lines continuing the margins forwards cross in front of the head. The anterior angles of the pronotum are rounded and explanate. Given the rarity of records, from both fieldwork and the re-examination of collections, it is unlikely that there has been significant confusion in previous records for other species of *Anthocoris*.

198C *Anthocoris minki* Dohrn (Anthocoridae)

This species is confused with *Anthocoris simulans* Reuter in Southwood & Leston (1959), and the description given under the former name applies to the latter species. The genuine *A. minki* was first reported in the British Isles by L. Jessop, having been discovered in leaf-petiole galls collected in

August 1980 by V. F. Eastrop from Lombardy Poplar growing along the towpath at Kew, London (Surrey). The bug lives within the galls, feeding upon the aphids that form them.

The animal has since been recorded from the additional counties of Kent, Buckinghamshire, Bedfordshire, Cambridgeshire, Oxfordshire and Berkshire in July, August and September. Nymphs have been reported in August and September.

The bug is similar to the ash-dwelling *A. simulans*, but identification can be confirmed by examination of the male genitalia. All records for *A. minki* prior to Jessop's report should be regarded as referring to *A. simulans*. There is no evidence of confusion between the two species subsequently, and there have been no reports of old records for genuine *A. minki* from specimens in collections.

075B *Nysius graminicola* (Kolenati) (Lygaeidae)

On 5 May 1977, A. A. Allen made the first record of this bug in the British Isles, under heather at Studland, Dorset. However, it was another 24 years before the species was found again in these islands, in Hampshire.

Subsequently, it has been recorded from the additional counties of Hertfordshire, Oxfordshire and Sussex, adults being found in the months of August, September and October. The animal is often swept from sparsely vegetated sites, such as waste ground, and at the coast.

The insect is separated from its congeners by having a dark basal ring on the second antennal segment. *Nysius senecionis* (Schilling) also has this feature, but in this animal the basal segment of the hind tarsus is shorter than the other two segments and claws combined.

442B *Saldula connemarae* Walton (Saldidae)

This shore bug was reported as new to science by G. A. Walton in 1986 from specimens found among the rocks and boulders by the edge of the low-lying lakes of Connemara, West Galway. The species has not been reported from anywhere else in the British Isles.

The insect occurs as dark and pale forms. The latter closely resemble *Saldula saltatoria* (Linnaeus), but are slightly stouter, with the posterior tibiae longer than the antennae. There are also differences in the male genitalia.

076A *Orsillus depressus* (Mulsant & Rey) (Lygaeidae)

This seed bug was first found in the British Isles on 27 September 1987 by R. D. Hawkins in Woking, Surrey on Lawson's Cypress growing in a garden.

The insect has since been reported from twelve more counties in southern England. Adults have been taken in every month from April to October, except July. Most records are from Lawson's Cypress in urban areas.

The insect is very distinctive and cannot be confused with any other British species. It is the only member of the Lygaeidae associated with Lawson's Cypress.

488A *Corixa iberica* Jansson (Corixidae)

This water bug was separated from *Corixa punctata* (Illiger) in 1981, and in 1989 A. A. Savage reported its known distribution as north-western Ireland, western Scotland, Orkney and Shetland.

The two species are very similar in appearance, but can be distinguished by examination of the right paramere. Correct identification may be frustrated by variation in both species, some individuals tending to an intermediate condition. Hybridisation between the two species has been suggested.

Specimens of *C. iberica* have been found in museum collections standing as *C. punctata*, some dating from the nineteenth century. Clearly, old records for *C. punctata* from the aforementioned regions need to be checked by tracing to a specimen. However, in regard to the County Distribution, given that this study has not divided Scotland and Ireland into separate regions, and that *C. punctata* is a widespread species in both countries, there is no need to regard any of the records of the County Distribution as doubtful in regard to this species.

093B *Megalonotus emarginatus* (Rey) (Lygaeidae)

This ground bug was first reported from the British Isles in 1992 by B. Aukema and B. S. Nau, specimens of the species having been found in the collections of the British Museum (Natural History) standing over the genus *Megalonotus* Fieber, some of which dated from the 19th Century.



The specimen labels indicated collection in the counties of Berkshire, Dorset, Essex and Kent, in the months of March, May, June, August and September.

Since then there have been further records, in the field and from specimens in collections, for the counties of Oxfordshire, Yorkshire, Bedfordshire, Cornwall, Worcestershire and Warwickshire, adding the month of July to the species' seasonal distribution. The insect has been taken on the ground, in some cases from litter.

The species is distinguished from *Megalonotus chiragra* (Fabricius) and *Megalonotus sabulicola* (Thomson) by the shape of the pronotum. In *M. emarginatus*, the hind corners protrude posteriorly, so that the hind margin is not a regular curve, as it is in the other two species. The species has clearly been confused with its congeners, but it is not clear which of these are involved in the confusion. Presumably, old records for *M. chiragra* should be discounted unless traced to a specimen, but these have already been removed from the County Distribution on account of the earlier confusion with *M. sabulicola*. Whether prior records for *M. sabulicola* should now also be discounted is unclear from the literature.

#### 418A *Trigonotylus caelestialium* (Kirkaldy) (Miridae)

This grass bug was first reported from the British Isles in 1992 by B. Aukema and B. S. Nau, specimens of the species having been found in the collections of the British Museum (Natural History) standing over the genus *Trigonotylus* Fieber, the earliest from the year 1900. The specimen labels indicated collection in the counties of Middlesex and Surrey, in the months of June and August.

The counties of Kent, Sussex, Berkshire, Oxfordshire, Buckinghamshire, Gloucestershire, Cornwall, Warwickshire and Yorkshire have since been added to its known distribution, collecting in the months of June, July, August and September. Where stated, these were taken by sweeping various habitats: salt marsh, wet meadow, woodland clearing, heathland, chalk hills, and derelict ground. The insect has also been taken at light.

The species may be distinguished from the common *Trigonotylus ruficornis* (Geoffroy) by the red markings of the first antennal segment. These comprise three, sharply demarcated, longitudinal stripes in *T. caelestialium*. In *T. ruficornis* the red is more general, and if there are any stripes these are not sharply demarcated. There has clearly been confusion between these two species in the past, and prior records for *T. ruficornis* require confirmation by tracing to a specimen.

### Annotated bibliography

290B *Tuponia mixticolor* (A. Costa) (Miridae), formerly *Tuponia carayoni* Wagner

Nau (1980). First found in Britain by B. S. Nau on 17 August 1979 on tamarisk at the beach car park, Freshwater, Isle of Wight. Second record on 5 September 1979, on tamarisk at Hill Head, Lee-on-Solent, South Hampshire at the base of a sea cliff. Species searched for in 1979 at sites in Essex, Sussex and Dorset, and elsewhere in Hampshire and Isle of Wight, without result.

Appleton (1984). On tamarisk, Hayling Island, South Hampshire, 16 July 1983.

Hodge (1986). On tamarisk, East Head Dunes, West Sussex, 11 June 1985.

Knill-Jones (1991). Found again at the Freshwater site on 20 August 1990.

Dickson (2002). Beaten from tamarisk, Hook Lake NR, South Hampshire, 26 August 2001.

Denton (2004). On tamarisk, Church Norton, West Sussex, August 2003.

Gibbs (2005). Swept from tamarisk on dunes, Minsmere RSPB Reserve, Suffolk, 13 July 2004.

Barclay & Nau (2003). Many records, mostly on tamarisk but also at light, mostly at the coast but also inland, in the counties of Dorset, Devon, Middlesex, Hampshire, Kent and Suffolk, in the months of June, July, August and September.

Ryan (2012b). Beaten from tamarisk growing out of a low cliff at Lepe, South Hampshire, 12 July 2010, and at the beach car park, West Wittering, West Sussex, 11 August 2010.

Bowdrey (2013). On tamarisk growing from the cliffs of the North Essex coast, between Clacton-on-Sea and Holland-on-Sea (10 October 2012) and between Harwich and Dovercourt (24 October 2012).

Ryan (2016b). Records for South Hampshire and Isle of Wight.

198B. *Anthocoris amplicollis* Horváth (Anthocoridae)

Crossley (1982). First record by R. Crossley on 25 August 1979, taken from ash at Lowna, near Kirbymoorside, North Yorkshire. Further specimens taken on ash at nearby locations on 15 June, 9 August and 23 August 1980. Specimen found in a collection taken on ash in the same area on 9 July 1978. Keys out to *A. confusus* in Southwood & Leston (1959), but is larger and darker. It can be distinguished from all other British *Anthocoris* by the shape of the pronotum, being less constricted towards the front, with the anterior angles rounded and explanate.

Jessop (1983). Key to British *Anthocoris*, including *A. amplicollis*.

Hawkins (2003). Record for 21 September 1995 at Riddlesdown, Surrey on oak.

Campbell (2010). Records for 7 September 2009, Wychwood Forest, Oxfordshire and Twywell, near Kettering, Northamptonshire in 2007.

198C *Anthocoris minki* Dohrn (Anthocoridae)

Jessop (1983). This species is confused with *Anthocoris simulans* Reuter in Southwood & Leston (1959), and the description given under the former name actually applies to the latter species. *A. minki* was first discovered in Britain from leaf petiole galls collected in August 1980 by V. F. Eastrop from Lombardy Poplar growing along the towpath at Kew, London (Surrey). The bug lives within the galls, feeding upon the aphids that form them. Both adults and nymphs were taken.

Jones (2000). Three records from Catford, London (Kent), Three Locks, Soulbury, Buckinghamshire and Morden Cemetery, Surrey (sweeping near Lombardy Poplar, 5 July 1998).

Jones (2001). Record for 30 September 1999, Foster Memorial Park, Catford, London (VC16, West Kent) in *Pemphigus* galls on Lombardy Poplar.

Jones (2004). From galls of Lombardy Poplar, Wansworth Common, Surrey, 22 September 2003.

Nau (2007). Three records from Stewartby, Bedfordshire on Lombardy Poplar (19 September 2006, adults and nymph), Three Locks, Buckinghamshire (15 September 2006), and Cockayne Hatley Wood, Cambridgeshire (5 August 2006). [The last record was overlooked by Ryan (2014a & 2014b).]

Ryan (2016d). Records for Oxfordshire and Berkshire, September 2014, adults and nymphs found in the galls of Lombardy Poplar. One found on the collector's jacket.

075B *Nysius graminicola* (Kolenati) (Lygaeidae)

Allen (1984). New to Britain, under a heather clump, Studland, Dorset, 5 May 1977.

Dolling (2003). Key to *Nysius*.

Nau (2004). First British record, 1977, Dorset (A. A. Allen). Second record, 2001, Hampshire (R. Dickson). In numbers at sites in Hertfordshire, 2003, (J. Widgery).

Dickson (2004). Swept from sparse vegetation over shingle at sunset, Hamble Estuary, 6 August 2003. [Presumably a repeat of the record by Dickson (2007), below, but with a different date.]

Widgery (2004). 15 September 2003, waste ground containing a preponderance of mayweed, Tyttenhanger Gravel Pits, Hertfordshire.

Dickson (2005). Swept, Botley Wood, South Hampshire, 21 & 25 August & 1 September 2004.

Dickson (2007). Records from South Hampshire in 2006: swept from sparse vegetation on shingle, Hamble Estuary, 6 September; swept from emergent vegetation on clay over chalk, Wallington, 27 August; swept from vegetation over shingle, Browdown, 16 August; swept from bank of car park, Lee-on-Solent, 16 August; in a sleeve of Lappet larvae, Fareham, 14 October.

Ryan (2013a). Sweeping disturbed arable land, near Goring, Oxfordshire, July/August 2006.

Ryan (2014b). Beaten from Sea Mayweed growing from a sea wall, Thorney Island, West Sussex, 1 August 2010. Sweeping the dunes at East Head, near West Wittering, West Sussex, 11 August 2010. Three sites in Oxfordshire in 2006.

Ryan (2016b). Record for South Hampshire.

442B *Saldula connemarae* Walton (Saldidae)

Walton (1986). Reported as new to science by G. A. Walton in 1986 from specimens found among the rocks and boulders by the edge of the low-lying lakes of Connemara, West Galway. Occur as dark and pale forms. The latter closely resemble *Saldula saltatoria* (Linnaeus), but are slightly

stouter, with posterior tibiae longer than the antennae, whereas they are shorter in *S. saltatoria*. There are also differences in the male genitalia.  
Ryan (2016a). Record for West Galway.

076A *Orsillus depressus* (Mulsant & Rey) (Lygaeidae)

Hawkins (1989). Found adults and nymphs in Woking, Surrey on a Lawson's Cypress growing in a garden on 27 September 1987. A return visit on 3 April 1988 produced another adult, suggesting that the animal overwinters in this state.  
Allen (1992). On Lawson's Cypress in author's garden, Charlton, West Kent, 18 May 1992.  
Kirby (1993). Records for Bedfordshire and Northamptonshire.  
Kirby (1994). Gidea Park, South Essex, 27 September 1992.  
Jones (1997). Peckham and Dulwich Park, Surrey, 17 October 1996, on Lawson's Cypress.  
Dickson (2002). Park Gate, South Hampshire, 19 April 2001, off *Cupressus*.  
Helden & Leather (2005). Bracknell, Berkshire.  
Alexander (2005b). Gloucestershire: Fretherne, 20 September 2003; Alderton, 19 September 2003 & 5 September 2004; Naunton, 29 June 2004; and Icomb, 6 September 2004.  
Whitehead (2006). Adults and nymphs, 4 September 2004, Lawson's Cypress, Pershore, Worcestershire.  
Philp (2006). Sweeping mixed vegetation in the author's garden, Aylesford, East Kent, 6 June 1995.  
Salmon (2009). On Lawson's Cypress, Brownsea Island, Poole Harbour, Dorset.  
Bantock (2010). Sweeping Lawson's Cypress, Quaker Meeting House, Brentford, Middlesex, early September 2010. [Overlooked by Ryan (2014a & 2014b).]  
Brooke (2010). Pencraig, near Ross-on-Wye, Herefordshire, 15 September 2010, adults and a nymph on a Lawson's Cypress in a garden.  
Ryan (2013c). On Lawson's Cypress in Oxford, 2006: University Parks (3 August), Headington Hill Park (22 August), Cutteslowe Park and Wellington Square. Also adults and nymphs, Wellington Square, 15 October 2011.  
Ryan (2015c). Records for East and West Gloucestershire.  
Ryan (2016b). Record for South Hampshire.

488A *Corixa iberica* Jansson (Corixidae)

Savage (1989). Separation of *Corixa iberica* from *Corixa punctata* by examination of the right paramere. The former species has a single distinct dorsal process, but the latter has two. Records for *C. iberica* from North-western Ireland, Western Scotland, Orkney and Shetland. *C. iberica* first described by A. Jansson in 1981.  
Savage (1991). Specimens of *C. iberica* have been found in museum collections standing as *C. punctata*, some dating from the nineteenth century. Individuals of both *C. iberica* and *C. punctata* frequently occur which possess features tending towards an intermediate condition.  
Angus (2006c). Evidence of hybridisation between *C. iberica* and *C. punctata*.  
Angus (2006b). Ditto.  
Ryan (2016a). Record for Antrim.

093B *Megalonotus emarginatus* (Rey) (Lygaeidae)

Aukema & Nau (1992). B. Aukema found 19 specimens in the British Museum (Natural History) standing under the genus *Megalonotus* Fieber, six of which dated from the 19th Century. Records for Berkshire, Dorset, Essex and Kent in the months of March, May, June, August and September. The species is distinguished from *Megalonotus chiragra* (Fabricius) and *Megalonotus sabulicola* (Thomson) by the shape of the pronotum. In *M. emarginatus*, the hind corners protrude posteriorly, so that the hind margin is not a regular curve, as it is in the other two species.  
Allen (1993). Species is darker, larger and more elongate than *M. chiragra*. 27 July 1964, Grayford Maules, West Kent (on a bank). 21 May 1991, Graveney Marshes, East Kent (at the base of a breakwater).  
Nau (1997). 24 August 1996, Maulden Wood (in litter on sandy soil) and Sandy Heath Quarry, Bedfordshire.

Judd (1998). Sieved from litter at side of cliff path, Porthcothan, West Cornwall, 6 August 1986. Museum specimen from Gerrans Bay, East Cornwall, August 1900. Adults and nymphs taken in Walderslade, West Kent (partly vegetated embankment), 2 August 1987 and Aylesford, West Kent, 7 September 1990. Single specimen taken in Northbourne Court, East Kent, 26 June 1991.

Whitehead (2004). 24 June 2002, disused railway sidings, Honeybourne, Worcestershire.

Alexander (2005a). Arable field, West Pentine headland, near Newquay, West Cornwall, 11 July 2003.

Nau (2005). In a sandy field, Sandy, Bedfordshire, 27 May 2004.

Campbell (2008). Frilford, Watsonian Berkshire, 1997. Caversham, Oxfordshire, 1990.

Dolling (2014). Record for South Yorkshire.

Ryan (2015a). Records for East and West Cornwall.

Ryan (2015b). Record for Warwickshire.

#### 418A *Trigonotylus caelestialium* (Kirkaldy) (Miridae)

Aukema & Nau (1992). B. Aukema found three specimens in the British Museum (Natural History) standing under the genus *Trigonotylus* Fieber, dated 23 June 1953, 30 June 1922 and August 1900, from the counties of Middlesex and Surrey. The species may be distinguished from the common *Trigonotylus ruficornis* (Geoffroy) by the red markings of the first antennal segment. These comprise three, sharply demarcated, longitudinal stripes in *T. caelestialium*. In *T. ruficornis* the red is more general, and any stripes are not sharply demarcated.

Allen (1993). Specimens from a collection, sweeping grass and at light, Blackheath and Charlton, West Kent (undated) and sweeping chalk hills, Chanctonbury Ring, West Sussex, 27 June 1960.

Campbell (2008). Frilford, Watsonian Berkshire, 1997. Burford, Oxfordshire, 1992.

Crossley (1993). Specimen from a collection, Brough, East Yorkshire, 26 June 1971.

Alexander (2005b). Swept from rank salt marsh grasses along the western banks of the River Severn at Whites Court, Awre, West Gloucestershire, 11 August 2004.

Alexander (2006). Ditto.

Ely (2006). First recorded in South-west Yorkshire at Silverwood, Rotherham, 6 August 2003. Found at five further sites since.

Ryan (2015a). Record for West Cornwall.

Ryan (2015b). Record for Warwickshire.

Ryan (2015c). Record for West Gloucestershire.

Ryan (2015d). 17 July 2014, airfield runway, Worminghall, Buckinghamshire. Also records for Surrey, Berkshire and Oxfordshire in the months of June, July, August and September. Habitats included wet meadow, woodland clearing, heathland, and derelict ground, all specimens taken sweeping.

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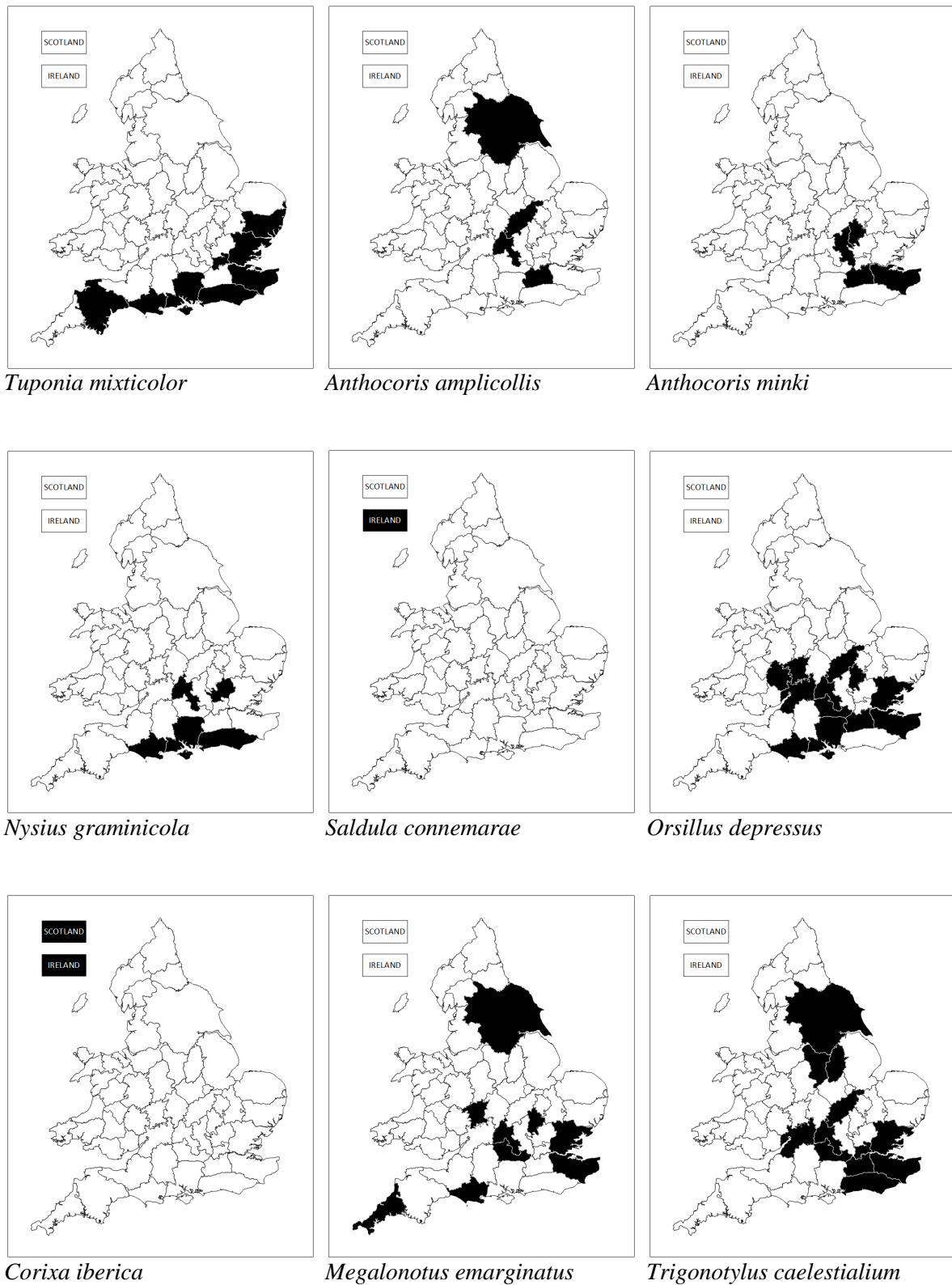


FIGURE 1. The county distributions of the described species (Ryan, 2014 a & 2014b).

**THE HUNT FOR *AGNOCORIS RECLAIREI* (WAGNER)  
(HEMIPTERA: MIRIDAE) IN BUCKINGHAMSHIRE**

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I have previously reported finding this insect new to Oxfordshire and Berkshire (Ryan, 2012 & 2014c), and its patchy distribution (Figure 1) suggests that its discovery in other counties awaits any Hemipterist determined to track it down. My collecting in Oxfordshire indicated that White Willow, *Salix alba* L. (Saliceae), was a good target for records, particularly those plants that were in flower or seed, from where nymphs could be taken in early summer.

Buckinghamshire was an obvious county to add to the bug's known distribution, the boundary with Oxfordshire being about ten kilometres from my home in Oxford, and I felt that the species would soon turn up during my general collecting, without my having to make a special effort to find it. However, White Willow had seldom been encountered during my visits to the county on other business, so during 2015 I made a determined search for it. Success, or so I thought, was achieved on 17 August when I visited Wilstone Reservoir, east of Aylesbury. Here, growing from the south-west shore (National Grid Reference SP901129) there were several examples of White Willow and Osier, *Salix viminalis* L., which due to the low water level, could be reached by venturing onto the exposed gravel bed of the reservoir. *A. reclairei* was quickly found, together with *Campylomma annulicorne* (Signoret) (Miridae), *Anthocoris limbatus* Fieber (Anthocoridae) and *Orius* Wolff (Anthocoridae). Specimens of the last were dissected at home to reveal *Orius laticollis* (Reuter) (Figure 2).

Alas, when I checked the grid reference of my finds against the digital vice-county mapping on the internet (<http://herbariaunited.org/gridrefVC>), I found that I had strayed a few metres out of Buckinghamshire (VC24) into Hertfordshire (VC20). Hertfordshire has a salient of land which extends several kilometres into Buckinghamshire, and Wilstone Reservoir was within this, the vice-county boundary running along the south-west shore. Given that I was collecting from the dried-up bed of the reservoir, I was clearly in Hertfordshire, not Buckinghamshire. (Curses!)

All was not lost, however, as I quickly realised that *A. reclairei* had not been reported from Hertfordshire either, so I still had a new county record. Nevertheless, it was still annoying that I had not found *A. reclairei* in Buckinghamshire, and felt obliged to continue the search. I eventually took the animal from a White Willow overhanging a bridge on the River Thame (SP728112), between Chearsley and Cuddington, on 13 September.

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125

## SOME HOST PLANT ASSOCIATIONS OF HEMIPTERA-HETEROPTERA IN 2015

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This article follows Ryan (2015) and presents a further list of confirmed host plants for species of Hemiptera-Heteroptera. Nymphs were taken from the listed host plants in the field and reared to adult at home to confirm their identity.

### ACANTHOSOMATIDAE

*Acanthosoma haemorrhoidale* (Linnaeus), Hawthorn Shieldbug

Rowan, *Sorbus aucuparia* L. (Rosaceae), Bicester Town Cemetery, Oxfordshire (SP582220), 9 August 2015.

Tamarisk, *Tamarix* spp. (Tamaricaceae), Dunstan Road, Oxford, Oxfordshire (SP541077), 15 August 2015.

Hawthorn, *Crataegus* spp. (Rosaceae), Sandhouse Lane NR, near Leighton Buzzard, Bedfordshire (SP936298), 26 August 2015.

*Cyphostethus tristriatus* (Fabricius), Juniper Shieldbug

Lawson's Cypress, *Chamaecyparis lawsoniana* (A. Murray bis) Parl. (Cupressaceae), Chipping Norton Cemetery, Oxfordshire (SP305271), 11 August 2015.

*Elasmostethus interstinctus* (Linnaeus), Birch Shieldbug

Birch, *Betula* spp. (Betulaceae), Vale Park, Aylesbury, Buckinghamshire (SP823138), 2 August 2015.

### PENTATOMIDAE

*Pentatoma rufipes* (Linnaeus), Forest Bug

Aspen, *Populus tremula* L. (Salicaceae), New Marston Meadows, Oxford, Oxfordshire (SP519076), 2 July 2015.

Hawthorn, *Crataegus* spp. (Rosaceae), hillside meadow, Stonesfield, Oxfordshire (SP390163), 8 July 2015.

Sycamore, *Acer pseudoplatanus* L. (Sapindaceae), Yarnton, Oxfordshire (SP473117), 10 July 2015.

*Palomena prasina* (Linnaeus)

Lawson's Cypress, *Chamaecyparis lawsoniana* (A. Murray bis) Parl. (Cupressaceae), Royal Leamington Spa Cemetery, Warwickshire (SP321642), 18 August 2015.

*Picromerus bidens* (Linnaeus)

Birch, *Betula* spp. (Betulaceae), The Chase, Broad Layings, Hampshire (SU443628), 17 July 2015.

Heather, *Calluna vulgaris* (L.) Hull (Ericaceae), Burnt Platt Wood, Stoke Row, Oxfordshire (SU690831), 20 July 2015.

### COREIDAE

*Gonocerus acuteangulatus* (Goeze), Box Bug

Box, *Buxus sempervirens* L. (Buxaceae), Church Enstone Graveyard, Oxfordshire (SP380250), 11 August 2015.

### LYGAEIDAE

*Chilacis typhae* (Perris)

Heads of bulrush, *Typha* spp. (Typhaceae), Cotswold Water Park, Fairford, Gloucestershire (SP168004), 7 June 2015.

*Gastrodes grossipes* (De Geer)

Larch, *Larix* spp. (Pinaceae), University Parks, Oxford, Oxfordshire (SP513072), 12 July 2015.

LYGAEIDAE (CONTINUED)

*Kleidocerys resedae* (Panzer)

Western Red Cedar, *Thuja plicata* Donn ex D. Don (Cupressaceae), Tring Cemetery, Hertfordshire (SP912110), 17 August 2015.

Birch, *Betula* spp. (Betulaceae), Leighton Buzzard Cemetery, Bedfordshire (SP929257), 26 August 2015.

*Orsillus depressus* (Mulsant & Rey)

Lawson's Cypress, *Chamaecyparis lawsoniana* (A. Murray bis) Parl. (Cupressaceae), University Parks, Oxford, Oxfordshire (SP514073), 27 July 2015; Hinksey Park, Oxford, Oxfordshire (SP513048), 31 July 2015; Aylesbury Cemetery, Buckinghamshire (SP830134), 17 August 2015.

*Scolopostethus decoratus* (Hahn)

Heather, *Calluna vulgaris* (L.) Hull (Ericaceae), Burnt Platt Wood, Stoke Row, Oxfordshire (SU690831), 20 July 2015.

MIRIDAE

*Alloeotomus gothicus* (Fallén)

Scots Pine, *Pinus sylvestris* L. (Pinaceae), University Parks, Oxford, Oxfordshire (SP516072), 29 July 2015.

*Atractotomus mali* (Meyer-Dür)

Hawthorn, *Crataegus* spp. (Rosaceae), lake at Baulking, Watsonian Berkshire (SU324908), 19 June 2015.

*Cyllecoris histrionius* (Linnaeus), The Impressionist

Sycamore, *Acer pseudoplatanus* L. (Sapindaceae), Kingston Blount, Oxfordshire (SU741986), 30 May 2015.

*Deraeocoris flavilinea* (A. Costa)

Sycamore, *Acer pseudoplatanus* L. (Sapindaceae), Kingston Blount, Oxfordshire (SU741986), 30 May 2015.

Hazel, *Corylus avellana* L. (Betulaceae), New Marston Meadows, Oxford, Oxfordshire (SP518079), 16 June 2015.

Hawthorn, *Crataegus* spp. (Rosaceae), lake at Baulking, Watsonian Berkshire (SU324908), 19 June 2015.

*Deraeocoris lutescens* (Schilling)

Turkey Oak, *Quercus cerris* L. (Fagaceae), University Parks, Oxford, Oxfordshire (SP513072), 12 July 2015.

*Dicyphus errans* (Wolff)

Hedge Woundwort, *Stachys sylvatica* L. (Lamiaceae), College & Queen Wood, Christmas Common, Oxfordshire (SU714921), 14 June 2015.

*Dryophilocoris flavoquadrimaculatus* (De Geer), The Oak Lantern

Oak, *Quercus* spp. (Fagaceae), University Parks, Oxford, Oxfordshire (SP517071), 3 May 2015.

*Grypocoris stysi* (Wagner), The Nettle Lantern

Common Nettle, *Urtica dioica* L. (Urticaceae), Ardley Quarry, Oxfordshire (SP536273), 5 June 2015.

*Leptopterna dolabrata* (Linnaeus)

Cock's-foot, *Dactylis glomerata* L. (Poaceae), New Marston Meadows, Oxford, Oxfordshire (SP519076), 25 May 2015.

*Macrolophus pygmaeus* (Rambur)

Hedge Woundwort, *Stachys sylvatica* L. (Lamiaceae), College & Queen Wood, Christmas Common, Oxfordshire (SU714921), 14 June 2015.

*Megalocoleus tanacetii* (Fallén)

Tansy, *Tanacetum vulgare* L. (Asteraceae), track and wasteground, Wolvercote, Oxford, Oxfordshire (SP491103), 3 July 2015.

MIRIDAE (CONTINUED)

*Neolygus contaminatus* (Fallén)

Birch, *Betula* spp. (Betulaceae), The Chase, Broad Layings, Hampshire (SU443628), 15 June 2015.

*Orthotylus ericetorum* (Fallén)

Heather, *Calluna vulgaris* (L.) Hull (Ericaceae), Burnt Platt Wood, Stoke Row, Oxfordshire (SU690831), 20 July 2015.

*Phytocoris longipennis* Flor

Oak, *Quercus* spp. (Fagaceae), The Chase, Broad Layings, Hampshire (SU443628), 17 July 2015.

Wych Elm, *Ulmus glabra* Huds. (Ulmaceae), River Evenlode, near Stonesfield, Oxfordshire (SP391154), 21 July 2015.

*Phytocoris tiliae* (Fabricius)

Leyland Cypress, *x Cupressocyparis leylandii* (Jacks. Dallim.) Dallim. (Cupressaceae), University Parks, Oxford, Oxfordshire (SP513072), 25 July 2015.

*Pilophorus cinnamopterus* (Kirschbaum)

Corsican Pine, *Pinus nigra* J.F. Arnold (Pinaceae), University Parks, Oxford, Oxfordshire (SP514071), 27 July 2015.

*Pinalitus cervinus* (Herrich-Schaeffer)

Sycamore, *Acer pseudoplatanus* L. (Sapindaceae), Beaumont Buildings, Oxford, Oxfordshire (SP510067), 2 May 2015.

Hawthorn, *Crataegus* spp. (Rosaceae), New Marston Meadows, Oxford, Oxfordshire (SP518079), 21 May 2015.

*Pinalitus viscicola* (Puton)

Mistletoe, *Viscum album* L. (Santalaceae) on cherry, *Prunus* sp. (Rosaceae), Holywell Cemetery, Oxford, Oxfordshire (SP520066), 15 August 2015.

*Plagiognathus arbustorum* (Fabricius)

Black horehound, *Ballota nigra* L. (Lamiaceae), track and wasteground, Wolvercote, Oxford, Oxfordshire (SP494099), 3 July 2015.

*Platycranus bicolor* (Douglas & Scott)

Broom, *Cytisus* spp. (Fabaceae), Wildmoor Heath, Crowthorne, Berkshire (SU841629), 23 July 2015.

*Psallus ambiguus* (Fallén)

Goat Willow, *Salix caprea* L. (Salicaceae), New Marston Meadows, Oxford, Oxfordshire (SP518079), 21 May 2015.

*Rhabdomiris striatellus* (Fabricius)

Oak, *Quercus* spp. (Fagaceae), University Parks, Oxford, Oxfordshire (SP517071), 3 May 2015.

*Salicarus roseri* (Herrich-Schaeffer)

White willow, *Salix alba* L. (Salicaceae), lake at Stanton Harcourt, Oxfordshire (SP411049), 29 June 2015.

Reference

- Ryan, R. P. 2015. Some host plant associations of Hemiptera-Heteroptera in 2014. *Hemipterist* 2: 49-50.

**ADDITIONS TO RYAN'S COUNTY LIST OF  
HEMIPTERA-HETEROPTERA FOR SHROPSHIRE**

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The county list for Shropshire in Ryan (2014) was compiled from that of Massee (1955) with additional records from the national entomological literature published in the six decades between these two papers. Ryan did not consider local publications, in particular Boardman (2014), and the present paper addresses this shortcoming, adding Boardman's new county records. These comprise 20 species of Pentatomoidea and Coreoidea, which are listed below.

ACANTHOSOMATIDAE

*Cyphostethus tristriatus* (Fabricius)

*Elasmucha grisea* (Linnaeus)

CYDNIDAE

*Adomerus biguttatus* (Linnaeus)

*Sehirus luctuosus* Mulsant & Rey

*Tritomegas bicolor* (Linnaeus)

PENTATOMIDAE

*Aelia acuminata* (Linnaeus)

*Eurydema oleracea* (Linnaeus)

*Eysarcoris venustissimus* (Schrank)

*Neottiglossa pusilla* (Gmelin)

*Pentatoma rufipes* (Linnaeus)

*Picromerus bidens* (Linnaeus)

*Piezodorus lituratus* (Fabricius)

*Zicrona caerulea* (Linnaeus)

COREIDAE

*Coreus marginatus* (Linnaeus)

*Coriomeris denticulatus* (Scopoli)

*Leptoglossus occidentalis* Heidemann

RHOPALIDAE

*Myrmus miriformis* (Fallén)

*Rhopalus subrufus* (Gmelin)

*Stictopleurus abutilon* (Rossi)

STENOCEPHALIDAE

*Dicranocephalus medius* (Mulsant & Rey)

**References**

- Boardman, P. (editor) 2014. A provisional atlas of the shieldbugs and allies of Shropshire. Field Studies Council.
- Massee, A. M. 1955. The county distribution of the British Hemiptera-Heteroptera, second edition. *Entomologist's Monthly Magazine* **91**: 7-27.
- Ryan, R. P. 2014. The county distribution of the Hemiptera-Heteroptera of the British Isles, fourth edition. *Hemipterist* **1**: 38-103.

**THREE FURTHER ADDITIONS FOR VC20 TO THE ATLAS OF  
THE HEMIPTERA-HETEROPTERA OF THE BRITISH ISLES**

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***Aneurus avenius*, *Capsodes flavomarginatus*, and *Psallus betuleti***

The purpose of this brief report is to note three new species additions for VC20 required in the *Atlas of the Hemiptera-Heteroptera of the British Isles* (Ryan, 2014a; 2014b). The three additions have arisen through cross-checking the historical and new records that I have compiled for Hertfordshire (since taking on the role of county recorder in 2014) against the atlas – a process that was facilitated by Rob Ryan.

The first species to add is the Aradid bug *Aneurus avenius* (Dufour). An adult female was found by William Bishop in a dead hornbeam branch in Bencroft Wood (in the Broxbourne Woods complex) on a Herts Invertebrate Project meeting in October 2015, and it was also found by Tristan Bantock in Broxbourne Woods earlier that year. I have spent further time in this complex of woods in 2016 and, of note, I sampled two dead hornbeam branches (in total) in Hoddesdon Park Wood in May 2016 and found an adult male *Aneurus avenius* in each. An adult male also came out in an emergence bag in May 2016 from a dead hornbeam log taken from Balls Wood, just north of Broxbourne Woods, as part of an ongoing experiment.

The other two species to add are both Mirids. There is a single record, from 1995, of *Capsodes flavomarginatus* (Donovan) from a light trap run by John Murray in Marshalls Heath Local Nature Reserve (determined by my predecessor John Widgery). And *Psallus betuleti* (Fallén) can now be returned to the county list – after the removal necessitated by Nau's (2007) report of the ambiguity of the species name – as I swept a specimen off birch in July 2015 at Waterford Heath Nature Reserve (which I determined under microscope using Nau's draft Mirid key from 2012).

**References**

- Nau, B. S. 2007. From the regions - Bedfordshire. *Het News* **9**: 14.  
Ryan, R. P. 2014a. The county distribution of the Hemiptera-Heteroptera of the British Isles, fourth edition. *Hemipterist* **1**: 38-103.  
Ryan, R. P. 2014b. An Atlas of the Hemiptera-Heteroptera of the British Isles.  
<https://sites.google.com/site/BritishHetBugAtlas>.